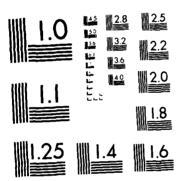
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A Compendium of Theoretical Atmospheric Tidal Structures

Part I: Model Description and Explicit Structures Due to Realistic Thermal and Gravitational Excitation

J. M. FORBES D. F. GILLETTE

24 June 1982

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AERONOMY DIVISION

PROJECT 6690

AIR FORCE GEOPHYSICS LABORATORY

HANSCOM AFB, MASSACHUSETTS 01731

AIR FORCE SYSTEMS COMMAND, USAF



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This technical report has been reviewed and is approved for publication.

DR. ALVA T. STAIR, Jr Chief Scientist

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This report documents the equations, coefficient parameterizations, method of numerical solution, and results from a theoretical (numerical) model of atmospheric tidal oscillations from the surface to 400 km. The westerly, northerly, and vertical winds and temperature are governed by four second order partial differential equations derived from the perturbation fluid equations for momentum, continuity, thermal energy, and the ideal gas law applied to a spherical, rotating, viscous atmosphere with anisotropic ion drag. The equations represent perturbations about a basic atmospheric state

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20. Abstract (Contd)

with latitude- and height-dependent mean winds, temperature, and composition. Model parameterizations described include mean winds and temperatures, molecular and eddy viscosity and thermal conductivity, ion-neutral collision frequency for momentum transfer, and solar thermal and lunar gravitational forcing. Thermal excitation occurs via absorption of EUV and UV radiation in the thermosphere, H₂O insolation absorption in the troposphere and lower stratosphere, and O₃ insolation absorption in the mesosphere. Ion-neutral coupling provides an important semidiurnal momentum source in the F-region. In addition, extensive tabulations and figures representing numerical solutions of diurnal and semidiurnal temperatures and winds every 6° of latitude from the surface to 400 km are presented for equinox and solstice conditions.

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A Compendium of Theoretical Atmospheric Tidal Structures

Part I. Model Description and Explicit Structures
Due to Realistic Thermal and Gravitational Excitation

1. INTRODUCTION

The first in a series dealing with results from a comprehensive numerical model of tidal oscillations in the earth's atmosphere, this report documents the equations and boundary conditions, method of solution, and model parameterizations of background winds, temperature, and composition, hydromagnetic coupling, eddy and molecular diffusion, and tidal forcing mechanisms utilized in the model. In addition, calculated results for the diurnal and semidiurnal tides from the surface to 400 km at every 6° latitude for equinox and solstice conditions are presented in Appendix B. Forthcoming reports in this series deal with new results concerning the seasonal-latitudinal and solar cycle variations in thermospheric tides, and the simulation of thermospheric Hough mode extensions (cf. Lindzen et al¹) of solar semidiurnal modes propagating upward from below 100 km. For interpretation of the model results in terms of consistency with various rocket, radar, and satellite data, the reader is referred to Forbes. 2,3

(Received for publication 23 June 1982)

- Lindzen, R.S., Hong, S., and Forbes, J.M. (1977) <u>Semidiurnal Hough Mode</u> <u>Extensions into the Thermosphere and Their Applications</u>, Memo Rept. 3442, Nav. Res. Lab., Washington, D.C.
- 2. Forbes, J.M. (1982) Atmospheric Tides, 1, Model description and results for the solar diurnal component, J. Geophys. Res. 87:5222-5240.
- 3. Forbes, J.M. (1982) Atmospheric Tides, 2, The solar and lunar semidiurnal components, J. Geophys. Res. 87:5241-5252.

Previous notable theoretical studies of the thermally-forced solar diurnal tide in the earth's atmosphere include those by Lindzen 4,5 and Lindzen and Blake 6 for the tides excited by O_3 and H_2O insolation absorption below 80 km, and by Forbes and Garrett, 7,8 Harris and Mayr, 9 and Mayr and Harris 10 for the thermospheric tide excited in-situ by UV and EUV solar radiation. The early work of Lindzen4 considered tidal oscillations in an inviscid, isothermal, and motionless background atmosphere, and utilized the H2O heating rates given by Siebert 11 and the diurnal drive due to O₃ absorption as computed by Leovy. ¹² Lindzen's computational results reproduced salient features of observational data which reflected the rela tive importance of propagating and trapped (evanescent) tidal modes at different latitudes and heights. Using an equivalent gravity wave formalism, Lindzen^{5,13} and Lindzen and Blake blater considered the effects of height-dependent temperature structure and molecular dissipation on the diurnal propagating tide excited below 80 km, and hade some estimates of the diurnal tide excited by UV and EUV absorption in the thermosphere. Simulations of thermospheric tidal dynamics that take into account the latitude-height inseparability of the thermospheric tidal system are provided by Forbes and Garrett, 7,8 Harris and Mayr, 9 and Mayr and Harris. 10 These latter models, however, do not consider the effects of mean winds or latitude variations in background thermal or compositional structure.

^{4.} Lindzen, R.S. (1967) Thermally driven diurnal tide in the atmosphere, Quart. J. Roy. Meteorol. Soc. 93:18-42.

Lindzen, R.S. (1970) Internal gravity waves in atmospheres with realistic dissipation and temperature. Part I. Mathematical development and propagation of waves into the thermosphere, Geophys. Fluid Dyn. 1:303-355.

^{6.} Lindzen, R.S., and Blake, D. (1970) Mean heating of the thermosphere by tides, J. Geophys. Res. 75:6868-6871.

^{7.} Forbes, J. M., and Garrett, H.B. (1976) Solar diurnal tide in the thermosphere, J. Atmos. Sci. 33:2226-2241.

^{8.} Forbes, J.M., and Garrett, H.B. (1978) Seasonal-latitudinal structure of the diurnal thermospheric tide, J. Atmos. Sci. 35:148-159.

^{9.} Harris, I., and Mayr, H.G. (1975) Thermospheric dynamics, 1, Theoretical formulation, J. Geophys. Res. 80:3925-3933.

Mayr, H.G., and Harris, I. (1977) Diurnal variations in the thermosphere,
 Temperature, composition, winds, J. Geophys. Res. 82:2628-2640.

Siebert, M. (1961) Atmospheric tides, in <u>Advances in Geophysics</u>, I, H.E. Landsberg and J. Ban Meigham, Eds., <u>Academic Press</u>, New York, pp. 105-187.

^{12.} Leovy, C. (1964) Radiative equilibrium of the mesosphere, J. Atmos. Sci. 21:238-248.

^{13.} Lindzen, R.S. (1971) Internal gravity waves in atmospheres with realistic dissipation and temperature. Part III. Daily variations in the thermosphere, Geophys. Fl. Dyn. 2:89-121.

The present study of the solar diurnal tide is a comprehensive investigation intended to correct shortcomings of the above-cited theoretical works, and thereby to contribute to a better understanding of the physics of atmospheric tidal oscillations as well as provide a standard for comparison with future observational studies. Specifically:

- (1) We use recently computed $\rm H_2O$ and $\rm O_3$ heating rates (Forbes and Garrett, 14) that differ considerably from those adopted in previous theoretical calculations.
- (2) Computations of the diurnal propagating tide take into account eddy dissipation in the mesosphere and lower thermosphere.
- (3) Parameterization of the background atmosphere from the surface to $400~\rm km$ takes into account height, latitudinal, seasonal, and solar cycle variations in thermal structure, composition, and mean winds.
- (4) Calibration of the thermospheric heat input (EUV solar flux) as a function of solar activity uses more accurate (2-pulse) determinations of diurnal temperature oscillations in the F-region over Millstone Hill. Tuning of the Forbes and Garrett $^{7,\, 8}$ models was based on the less accurate 1-pulse data reported by Salah et al 15 over a more restricted solar cycle range.
- (5) The molecular thermal conductivities and viscosities recommended by Forbes and Garrett 16 are adopted. These new models affect the EUV solar input inferred from the calibration procedure mentioned in Ref. 4.
- (6) Previous studies of the diurnal tide have concentrated separately on tides excited above and below 100 km. Tidal structures in the transition region (100-150 km) where tidal oscillations due to both sources of excitation are comparable in magnitude are examined in the present model.

The solar and lunar semidiurnal atmospheric tides also have long and interesting histories, beginning with many years of barometric observations, and continuing in modern times with development of classical atmospheric tidal theory (see review by Chapman and Lindzen¹⁷). In recent years "mode coupling" due to interactions with background mean zonal winds and meridional temperature

^{14.} Forbes, J. M., and Garrett, H. B. (1978) Thermal excitation of atmospheric tides due to insolation absorption by O₃ and H₂O, Geophys. Res. Lett. 5:1013-1016.

^{15.} Salah, J.E., Evans, J.B., Alcayde, D., and Bauer, P. (1976) Comparison of exospheric temperatures at Milistone Hill and St. Santin, Ann. Geophys. 32:257-266.

^{18.} Forbes, J. M., and Garrett, H. B. (1979) Theoretical studies of atmospheric tides, Rev. Geophys. Space Phys. 17:1951-1981.

^{17.} Chapman, S. and Lindzen, R.S. (1970) <u>Atmospheric Tides</u>, D. Reidel, Dordrecht, Netherlands.

gradients (Lindzen and Hong, 18 Walterscheid et al 19, 20, 21) and the penetration into the thermosphere of propagating semidiurnal tides originating in the lower atmosphere. (Hong and Lindzen 22) as well as their in-situ thermospheric excitation (Hong and Lindzen, 22 Garrett and Forbes 23), have occupied the main interests of theoreticians in the field (see review by Forbes and Garrett 16). These recent investigations have required the development of rather sophisticated numerical models. However, these models lack the continuity needed for a proper investigation of the coupling between the mesosphere, lower thermosphere, and upper thermosphere due to the joint effects of mean winds, eddy and molecular dissipation, and hydromagnetic coupling, which govern the properties of tides in these regions. One incentive for development of the present comprehensive model is to facilitate the modeling of mean heat and momentum deposition in the lower thermosphere by dissipating tidal waves, and the investigation of dynamical coupling between the mesosphere and thermosphere, in particular the interpretation of coordinated meteor wind and incoherent scatter observations during forthcoming Cooperative Tidal Observation Program (CTOP) intervals and the 1982-1985 Middle Atmosphere Program (MAP) period.

The following sections also detail the various mechanisms for exciting semidiurnal oscillations in the thermosphere, investigate the penetration of various modes of lower atmosphere origin into the thermosphere, and examine the relative importance of in-situ sources of excitation on the thermospheric semidiurnal tide.

^{18.} Lindzen, R.S., and Hong, S. (1974) Effects of mean winds and horizontal temperature gradients on solar and lunar semidiurnal tides in the atmosphere, J. Atmos. Sci. 31:1421-1466.

Walterscheid, R.L., and Venkateswaran, S.V. (1979) Influence of mean zonal motion and meridional temperature gradients on solar semidiurnal atmospheric tide: a spectral study. Part I: Theory, J. Atmos. Sci. 36:1623-1635.

Walterscheid, R. L., and Venkateswaran, S. V. (1979) Influence of mean zonal motion and meridional temperature gradients on solar semidiurnal atmospheric tide: a spectral study. Part II: Numerical results, J. Atmos. Sci. 36:1636-1662.

^{21.} Walterscheid, R.L., DeVore, J.G., and Venkateswaran, S.V. (1980)
Influence of mean zonal motion and meridional temperature gradients on
the solar semidiurnal atmospheric tide: a revised spectral study with
improved heating rates, J. Atmos. Sci. 37:455-470.

Hong, S., and Lindzen, R.S. (1976) Solar semidiurnal tide in the thermosphere, J. Atmos. Sci. 33:135-153.

^{23.} Garrett, H.B., and Forbes, J.M. (1978) Tidal Structure of the thermosphere at equinox, J. Atmos. Terr. Phys. 40:657-688.

2. EQUATIONS AND METHOD OF SOLUTION

2.1 Equations

Realistic modeling of atmospheric tides requires consideration of a number of physical processes beyond those considered in classical tidal theory. These processes include molecular and eddy diffusion of heat and momentum, Newtonian cooling, hydromagnetic coupling, composition variations, and interactions with unperturbed winds and meridional temperature gradients. Many of the basic assumptions of classical tidal theory are retained: the earth is assumed to be a smooth sphere, and the atmosphere to be a compressible, hydrostatic, shallow, perfect gas in which variations in the acceleration due to gravity and other terms of order (z/a) are neglected. In addition, tidal fields are treated as small perturbations on a basic state, so that the equations may be linearized. This assumption of linearity is usually shown to be valid by a posteriori examination of the tidal solutions. Accordingly, the system of linearized equations that governs the majority of tidal applications in the earth's atmosphere (cf. Forbes and Garrett 16) consists of the horizontal and vertical momentum equations

$$\frac{\partial u'}{\partial t} + \frac{U}{a \sin \theta} \frac{\partial u'}{\partial \lambda} + \frac{1}{a} \frac{\partial U}{\partial \theta} v' + \frac{\partial U}{\partial z} w' + \left[(2\omega - L_{\lambda}) \cos \theta + \frac{\cot \theta}{a} U \right] v'$$

$$= -\frac{1}{a \sin \theta} \frac{\partial}{\partial \lambda} \left(\frac{\delta p'}{\rho_{O}} + \Omega' \right) - D_{\lambda} u' - M_{\lambda}' + \frac{1}{\rho_{O}} F_{\lambda}' \tag{1}$$

$$\begin{split} \frac{\partial \mathbf{v'}}{\partial t} + \frac{\mathbf{U}}{\mathbf{a} \sin \theta} \frac{\partial \mathbf{v'}}{\partial \lambda} &- \left[(2\omega - \mathbf{L}_{\theta}) \cos \theta + \frac{2 \cot \theta}{\mathbf{a}} \mathbf{U} \right] \mathbf{u'} \\ &= -\frac{1}{\mathbf{a}\rho_{O}} \frac{\partial \delta \mathbf{p'}}{\partial \theta} + \frac{1}{\mathbf{a}\rho_{O}^{2}} \frac{\partial \mathbf{p}_{O}}{\partial \theta} \partial \rho' - \frac{1}{\mathbf{a}} \frac{\partial \Omega'}{\partial \theta} \\ &- \mathbf{D}_{\theta} \mathbf{v'} - \mathbf{M}_{\theta'} + \frac{1}{\rho_{O}} \mathbf{F}_{\theta'} \end{split} \tag{2}$$

$$\frac{\partial \delta \mathbf{p'}}{\partial \mathbf{z}} = -\delta \rho' \mathbf{g} - \rho_{O} \frac{\partial \Omega'}{\partial \mathbf{z}} \tag{3}$$

the continuity equation

$$\frac{\partial \delta \rho'}{\partial t} + \frac{U}{a \sin \theta} \frac{\partial \delta \rho'}{\partial \lambda} + \frac{1}{a} \frac{\partial \rho}{\partial \theta} v' + \frac{\partial \rho}{\partial z} w'$$

$$+ \rho_{O} \left(\frac{1}{a \sin \theta} \frac{\partial u'}{\partial \lambda} + \frac{1}{a} \frac{\partial v'}{\partial \theta} + \frac{\cot \theta}{a} v' + \frac{\partial w}{\partial z} \right) = 0$$
(4)

the ideal gas law

$$\frac{\delta p^{i}}{p_{O}} = \frac{\delta \rho^{i}}{\rho_{O}} + \frac{\delta T^{i}}{T_{O}}$$
 (5)

and the thermal energy equation

$$\frac{\partial \delta T'}{\partial t} + \frac{U}{a \sin \theta} \frac{\partial \delta T'}{\partial \lambda} + \frac{1}{a} \frac{\partial T}{\partial \theta} v' + \frac{\partial T}{\partial z} w'$$

$$= \frac{\gamma - 1}{R} J' + \frac{\gamma - 1}{R\rho_{o}} \kappa' - \alpha \delta T' + (\gamma - 1) \frac{T_{o}}{\rho_{o}}$$

$$\cdot \left(\frac{\partial \delta \rho'}{\partial t} + \frac{U}{a \sin \theta} \frac{\partial \delta \rho'}{\partial \lambda} + \frac{1}{a} \frac{\partial \rho_{o}}{\partial \theta} v' + \frac{\partial \rho_{o}}{\partial z} w' \right) \tag{6}$$

where

$$\begin{bmatrix} D_{\lambda} \\ D_{\theta} \end{bmatrix} = \varepsilon_{1}^{\circ} \begin{bmatrix} 1 & 0 \\ & \\ 0 & \sin^{2} I \end{bmatrix}$$
 (7)

represents the ion drag force,

$$\begin{bmatrix} F_{\lambda}' \\ F_{\theta}' \end{bmatrix} = \frac{\partial}{\partial z} (\mu_{0} + \rho_{0} \nu_{\text{eddy}}) \frac{\partial}{\partial z} \begin{bmatrix} u' \\ v' \end{bmatrix}$$
(8)

represents the divergence of the momentum flux due to molecular and eddy diffusion,

$$\kappa' = \frac{\partial}{\partial z} \left(K_{O} + \rho_{O} K_{eddy} \right) \frac{\partial}{\partial z} \delta T'$$
 (9)

is the divergence of heat flux due to molecular and eddy diffusion, and

 $M_{\lambda,\theta}^{\dagger}$ = momentum source terms;

u' = westerly velocity;

v' = northerly velocity;

w' = vertical velocity;

δT = perturbation temperature;

δp' = perturbation pressure;

 $\delta \rho'$ = perturbation density;

T_o = unperturbed temperature;

p_o = unperturbed pressure;

 ρ_{O} = unperturbed density;

t = local time;

λ = longitude;

 θ = colatitude;

z = altitude;

I = magnetic dip angle;

U = mean zonal wind;

a = mean radius of earth;

 ω = earth's rotation rate;

 Ω' = gravitational potential due to the moon;

 α = Newtonian cooling coefficient;

 μ_{o} = dynamic molecular viscosity;

 $v_{\rm eddy}$ = kinematic eddy viscosity;

K molecular thermal conductivity;

Koddy = eddy thermal conductivity;

 ϵ_1^0 = diurnally averaged ion drag coefficient;

 L_χ = diurnally averaged Hall coefficient, equal to $L_{ heta}$

g = acceleration due to gravity;

R = gas constant, equal to R^*/M ;

R* - universal gas constant;

M = mean molecular weight;

c, = heat capacity at constant volume;

c = heat capacity at constant pressure;

 $\gamma = c_p/c_v;$

J = heating rate per unit mass per unit time.

This system of linearized equations includes the mean zonal wind U; however, it neglects the mean meridional winds. The importance of mean zonal winds is estimated to be of the order of $U/\omega a \sin \theta$, or ≤ 20 percent at nonpolar latitudes for U less than 50 m/sec. Mean meridional motions are weak in comparison to mean zonal winds below 175 km in the earth's atmosphere (Leovy, 12 Dickinson et al 24) and are therefore neglected in the above equations. Although mean meridional winds of order 100-200 m/sec could occur in the summer at high latitudes ($\leq 60^{\circ}$) above 200 km (Dickinson et al 25), mean winds in the upper thermosphere are expected to have little effect on tidal solutions, since the tidal fields asymptotically reach their diffusion-dominated values by about 200 km (Hong and Lindzen, 22 Forbes and Garrett 7). To the order of these approximations, Eqs. (1)-(6) contain the essential physics of most tidal phenomena in the earth's atmosphere for which a linear description is appropriate.

To simplify the numerical solution of these equations, we assume migrating tidal solutions of the form $f' = \hat{f}e^{in(\omega t + \lambda)}$. Substituting this for each variable and eliminating \hat{p} and $\hat{\rho}$ from Eqs. (1)-(6), gives four coupled partial differential equations in \hat{u} , \hat{v} , \hat{w} , and $\delta \hat{T}$:

$$\left[\frac{1}{\rho_{O}}\hat{F}_{\lambda} - i\sigma n + \frac{gHin}{\sigma a^{2}\sin^{2}\theta} - D_{\lambda}\right]\hat{u} + \left[-(2\omega - L_{\lambda})\cos\theta + \frac{gH}{\sigma a^{2}\sin\theta}\left(\frac{\partial}{\partial\theta} + \cot\theta + \frac{1}{\rho_{O}}\frac{\partial\rho_{O}}{\partial\theta}\right) - \frac{1}{a}\frac{\partial}{\partial\theta} - \frac{\cot\theta}{a}U\right]\hat{v} + \left[\frac{gH}{\sigma a\sin\theta}\left(\frac{\partial}{\partial z} + \frac{1}{\rho_{O}}\frac{\partial\rho_{O}}{\partial z}\right) - \frac{\partial U}{\partial z}\right]\hat{w} - \frac{inR}{a\sin\theta}\delta\hat{T} - \frac{+in}{a\sin\theta}\hat{\Omega} + \hat{M}_{\lambda} \tag{10}$$

^{24.} Dickinson, R.E., Ridley, E.C., and Roble, R.G. (1975) Meridional circulation in the thermosphere, J. Atmos. Sci. 32:1737-1753.

Dickinson, R.E., Ridley, E.C., and Roble, R.G. (1977) Meridional circulation in the thermosphere. II. Solstice conditions, J. Atmos. Sci. 34:178-192.

$$\left[(2\omega - L_{\theta}) \cos \theta + \frac{gH}{\sigma a^{2} \sin \theta} \left(\frac{\partial}{\partial \theta} - \sigma_{\theta} - \cot \theta \right) + \frac{2 \cot \theta}{a} U \right] \hat{\mathbf{u}} \\
+ \left\{ \frac{1}{\rho_{o}} \hat{\mathbf{F}}_{\theta} - i \sigma \mathbf{n} - \frac{i gH}{\sigma a^{2}} \left[\frac{\partial^{2}}{\partial \theta^{2}} + \cot \theta \left(\frac{\partial}{\partial \theta} - \sigma_{\theta} \right) - \csc^{2} \theta \right] \\
+ \left(\frac{1}{\rho_{o}} \frac{\partial \rho_{o}}{\partial \theta} - \sigma_{\theta} \right) \frac{\partial}{\partial \theta} + \frac{1}{\rho_{o}} \frac{\partial^{2} \rho_{o}}{\partial \theta^{2}} - \left(\frac{1}{\rho_{o}} \frac{\partial \rho_{o}}{\partial \theta} + \sigma_{\theta} \right) \left(\frac{1}{\rho_{o}} \frac{\partial \rho_{o}}{\partial \theta} \right) \right] - \mathbf{D}_{\theta} \hat{\mathbf{v}} \\
- \frac{i gH}{\sigma n a} \left[\frac{\partial^{2}}{\partial z \partial \theta} - \sigma_{\theta} \frac{\partial}{\partial z} + \frac{1}{\rho_{o}} \frac{\partial \rho_{o}}{\partial \theta} + \frac{1}{\rho_{o}} \frac{\partial^{2} \rho_{o}}{\partial \theta} + \frac{1}{\rho_{o}} \frac{\partial^{2} \rho_{o}}{\partial \theta} - \left(\frac{1}{\rho_{o}} \frac{\partial \rho_{o}}{\partial \theta} + \sigma_{\theta} \right) \right] \hat{\mathbf{v}} \\
- \frac{i gH}{\sigma n a} \left[\frac{\partial^{2}}{\partial z \partial \theta} - \sigma_{\theta} \frac{\partial}{\partial z} + \frac{1}{\rho_{o}} \frac{\partial \rho_{o}}{\partial \theta} \right] \hat{\mathbf{v}} \hat{\mathbf{r}} \hat{\mathbf{r}} = \frac{1}{a} \frac{\partial \hat{\Omega}}{\partial \theta} + \hat{\mathbf{M}}_{\theta} \tag{11}$$

$$\left[- \frac{gH^{2}}{\sigma a \sin \theta} \left(\frac{\partial}{\partial z} - \sigma_{z} \right) \right] \hat{\mathbf{u}} + \frac{i gH^{2}}{\sigma n a} \left[\left(\frac{\partial}{\partial z} - \sigma_{z} \right) \left(\frac{\partial}{\partial \theta} + \cot \theta \right) + \frac{1}{\rho_{o}} \frac{\partial \rho_{o}}{\partial \theta} \frac{\partial}{\partial z} \right] \\
+ \frac{1}{\rho_{o}} \frac{\partial^{2} \rho_{o}}{\partial \theta \partial z} - \left(\frac{1}{\rho_{o}} \frac{\partial \rho_{o}}{\partial z} + \sigma_{z} \right) \left(\frac{1}{\rho_{o}} \frac{\partial \rho_{o}}{\partial \theta} \right) \hat{\mathbf{v}} + \frac{i gH^{2}}{\sigma n} \left[\frac{\partial^{2} \rho_{o}}{\partial z} + \sigma_{z} \right] \hat{\mathbf{w}}$$

$$+ \left(\frac{1}{\rho_{o}} \frac{\partial \rho_{o}}{\partial z} - \sigma_{z} \right) \frac{\partial}{\partial z} + \frac{1}{\rho_{o}} \frac{\partial^{2} \rho_{o}}{\partial z^{2}} - \left(\frac{1}{\rho_{o}} \frac{\partial \rho_{o}}{\partial z} \right) \left(\frac{1}{\rho_{o}} \frac{\partial \rho_{o}}{\partial z} + \sigma_{z} \right) \hat{\mathbf{w}}$$

(12)

 $+ H \left[R \left(\frac{\partial}{\partial z} + \frac{1}{\rho_{O}} \frac{\partial \rho_{O}}{\partial z} \right) + \frac{\partial R}{\partial z} \right] \delta \hat{T} = 0$

$$-\frac{\left(\gamma-1\right)T_{O}in}{a\sin\theta}\hat{u}-\left[\frac{\left(\gamma-1\right)T_{O}}{a}\left(\frac{\partial}{\partial\theta}+\cot\theta\right)\right.\\ \left.+\frac{1}{a}\frac{\partial T_{O}}{\partial\theta}\right]\hat{v}$$

$$-\left[\left(\gamma-1\right) T_{O} \frac{\partial}{\partial z} + \frac{\partial T_{O}}{\partial z}\right] \hat{w} + \left[\frac{\left(\gamma-1\right)}{R} \hat{\kappa} - i \sigma n - \alpha\right] \delta \hat{T} = -\frac{\left(\gamma-1\right)}{R} \hat{J}$$
 (13)

where $\sigma = \omega + [U/(a \sin \theta)]$, $\sigma_{\theta} = \frac{1}{\sigma} \frac{\partial \sigma}{\partial \theta}$, $\sigma_{z} = \frac{1}{\sigma} \frac{\partial \sigma}{\partial z}$. H is the scale height, and n is the zonal wavenumber.

2.2 Boundary Conditions

The system [Eqs. (10)-(13)] requires one set of boundary conditions to close the equations in θ and another set to close the equations in z. In the upper thermosphere, molecular diffusion dominates, and the requirements that there be no flux of horizontal momentum or heat from infinity leads to

$$\frac{\mathrm{d}}{\mathrm{d}z} \left\langle \hat{\mathbf{v}} \right\rangle = 0 \tag{14}$$

above z_t = 350-450 km, depending on the level of solar activity (Lindzen⁵). Similarly, assuming $\partial R/\partial z$ and $\partial H/\partial z$ go to zero as $z \rightarrow z_t$, it is simple to show that

$$\frac{d\hat{w}}{dz} - \frac{i\sigma nR}{g} \delta \hat{T} = 0 \quad \text{for} \quad z > z_{t} \quad . \tag{15}$$

The conditions of Eqs. (14) and (15) applied at $z_{top} \approx 450$ km comprise the upper boundary conditions for the model.

At the lower boundary ($z_{bot} = 0.0 \text{ km}$) the conditions utilized by Lindzen⁵ and Lindzen and Forbes²⁶ are adopted:

$$w = 0$$
 and $\frac{d}{dz} \left\langle \begin{matrix} \hat{u} \\ \hat{v} \\ \delta \hat{T} \end{matrix} \right\rangle - C_s \left\langle \begin{matrix} \hat{u} \\ \hat{v} \\ \delta \hat{T} \end{matrix} \right\rangle = 0$ (16)

^{26.} Lindzen, R.S., and Forbes, J.M. (1978) Boundary layers associated with thermally forced planetary waves, J. Atmos. Sci. 35:1441-1449.

where the choice of $C_s = 2 \times 10^{-3} \text{ m}^{-1}$ is designed to simulate Kuo's results²⁷ for the transmission of surface temperature oscillations to the atmospheric boundary layer. In practice the computed u', v', and $\delta T'$ fields are only weakly dependent of the value of C_s .

Boundary conditions at the equator make use of symmetry relations there. For symmetric modes and thermospheric tides excited in-situ at equinox

$$\frac{\partial}{\partial \theta} \left\{ \begin{array}{c} \hat{\mathbf{u}} \\ \hat{\mathbf{w}} \\ \delta \hat{\mathbf{T}} \end{array} \right\} = 0 \quad \text{and} \quad \mathbf{v} = 0 \text{ at } \theta = \frac{\pi}{2} \quad . \tag{17}$$

For antisymmetric modes

$$\frac{\partial \mathbf{v}}{\partial \theta} = 0 \quad \text{and} \left\{ \begin{array}{c} \hat{\mathbf{u}} \\ \hat{\mathbf{w}} \\ \delta \hat{\mathbf{T}} \end{array} \right\} = 0 \quad \text{at} \quad \theta = \frac{\pi}{2} \quad . \tag{18}$$

Since the pole is a singular point, $\hat{\mathbf{u}}$, $\hat{\mathbf{v}}$, $\hat{\mathbf{w}}$, and $\delta \hat{\mathbf{T}}$ are expanded in a Taylor series to close the equations there (see following subsection).

2.3 Numerical Solution

Tidal amplitudes are generally characterized by exponential growth with height, suggesting that exponential solutions be assumed to prevent numerical overflow. Further, different vertical integration steps are expected for numerical convergence within the planetary boundary layer (z \leq 2 km; cf. Lindzen and Forbes 26), the "inviscid" lower atmosphere (2 km \leq z \leq 90 km), and the "viscid" thermosphere (z \geq 90 km. Transforming to a new vertical coordinate X allows more economical numerical integration. We define X:

$$X = \frac{z}{2} (C_1 + C_3) + \sum_{i=1}^{2} \delta_i \left(\frac{C_{i+1} - C_i}{2} \right) \ln \left[\frac{\cosh ((z - z_i)/\delta_i)}{\cosh (z_i/\delta_i)} \right]$$
 (19)

^{27.} Kuo, H. L. (1973) Planetary boundary layer flow of a stable atmosphere over the globe, J. Atmos. Sci. 30:53-65.

such that

$$F_1 = \frac{dX}{dz} = C_1 + \sum_{i=1}^{2} \left(\frac{C_{i+1} - C_i}{2} \right) \left[1 + \tanh \left(\frac{z - z_i}{\delta_i} \right) \right]$$
 (20)

$$F_2 = \frac{d^2X}{dz^2} = \sum_{i=1}^2 \left(\frac{C_{i+1} - C_i}{2\delta_i} \right) \operatorname{sech}^2 \left(\frac{z - z_i}{\delta_i} \right)$$
 (21)

Transformation of Eqs. (10)-(13) to the X coordinate system is performed by substituting:

$$\hat{f} = e^{X/2} \tilde{f} \tag{22}$$

$$\frac{d\hat{f}}{dz} = F_1 \frac{d\hat{f}}{dX} = F_1 e^{x/2} \left(\frac{d\tilde{f}}{dX} + \frac{\tilde{f}}{2} \right)$$
 (23)

$$\frac{d^{2}\hat{f}}{dz^{2}} = F_{1}^{2} \frac{d^{2}\hat{f}}{dX^{2}} + F_{2} \frac{d\hat{f}}{dX} = e^{x/2} \left[F_{1}^{2} \frac{d^{2}\hat{f}}{dX^{2}} + (F_{1}^{2} + F_{2}) \frac{d\hat{f}}{dX} + \frac{1}{2} \left(F_{2} + \frac{F_{1}^{2}}{2} \right) \tilde{f} \right]$$
(24)

where \hat{f} denotes either \hat{u} , \hat{v} , \hat{w} , or $\delta \hat{T}$. Division of the resulting partial differential equations by $e^{x/2}$ yields a partial differential system for \tilde{u} , \tilde{v} , and \tilde{w} , and $\delta \tilde{T}$ in X - θ coordinates. For a constant δX integration step this formulation results in altitude regimes of constant δz ($\approx \delta X/C_i$) with transitions between different δz 's occurring at altitudes z_i over distances δ_i . For the following choices of coefficients:

 $X_{top}=32.0$ corresponds to $z_{top}=448.752$ km, and $\delta x=0.2$ corresponds to $\delta z\approx0.95$ km below 2.0 km (the planetary boundary layer), $\delta z\approx1.33$ km below 160 km and above the planetary boundary layer, and $\delta z\approx8$ km above 160 km. Values of

 C_2 and C_3 are chosen to be close to 1/H so that the $\mathrm{e}^{\mathrm{x}/2}$ dependence is physically meaningful. In previous studies z was stretched into the new X coordinate by the transformation

$$X = \int_{0}^{z} \frac{dZ'}{H}$$
 and $\frac{dX}{dz} = \frac{1}{H}$

(cf. Forbes and Garrett, ⁷ Hong and Lindzen²²). The new transformation used in this report eliminates the solar cycle and latitudinal dependences, which cause unnecessary inconveniences in practice.

After the transformation to the X-coordinate, Eqs. (10)-(13) can be written in matrix form as

$$\hat{a} \frac{\partial^2 \phi}{\partial \theta^2} + \hat{b} \frac{\partial^2 \phi}{\partial \theta \partial z} + \hat{c} \frac{\partial^2 \phi}{\partial z^2} + \hat{d} \frac{\partial \phi}{\partial \theta} + \hat{e} \frac{\partial \phi}{\partial z} + \hat{f} \phi = R$$
 (25)

where \hat{a} , \hat{b} , \hat{c} , \hat{d} , \hat{e} , and \hat{f} are 4×4 matrices and R is a 4-vector. The solution vector is given by $\phi = [\widetilde{u}, \widetilde{v}, \widetilde{w}, \widetilde{\delta T}]^T$. Dividing the θ domain into a number of discrete intervals and approximating Eq. (25) results in the finite-difference equation:

$$\left(\frac{\hat{a}}{\delta\theta^2} - \frac{\hat{d}}{2\delta\theta}\right)_k \phi_{k-1} + \left(\frac{-2\hat{a}}{\delta\theta^2} + \hat{f}\right)_k \phi_k + \left(\frac{\hat{a}}{\delta\theta^2} + \frac{\hat{d}}{2\delta\theta}\right)_k \phi_{k+1}$$

$$-\frac{\hat{\mathbf{b}}_{\mathbf{k}}}{2\delta\theta} \frac{\partial}{\partial z} \phi_{\mathbf{k}-1} + \hat{\mathbf{e}}_{\mathbf{k}} \frac{\partial}{\partial z} \phi_{\mathbf{k}} + \frac{\hat{\mathbf{b}}_{\mathbf{k}}}{2\delta\theta} \frac{\partial}{\partial z} \phi_{\mathbf{k}+1} + \hat{\mathbf{e}}_{\mathbf{k}} \frac{\partial^{2}}{\partial z^{2}} \phi_{\mathbf{k}} = \mathbf{R}_{\mathbf{k}}$$
 (26)

where the subscripts $k=1, 2, \ldots$ K refer to the k^{th} grid point in the θ direction. The system of Eqs. (26) can be written as a system of 4K coupled ordinary differential equations:

$$\hat{A} \frac{d^2}{dz^2} \Phi + \hat{B} \frac{d}{dz} \Phi + \hat{C} \Phi - D \tag{27}$$

where \tilde{A} , \tilde{B} , \tilde{C} are $4K \times 4K$ matrices and D is a 4K-vector. The solution vector Φ show the set of values $\Phi = \begin{bmatrix} \tilde{u}_1, \ \tilde{v}_1, \ \tilde{w}_1, \ \delta \tilde{T}_1, \dots \ \tilde{u}_K, \ \tilde{v}_K, \ \tilde{w}_K, \ \delta \tilde{T}_K \end{bmatrix}^T$ at a particular X for all the grid points in θ . The equations are closed at the pole by example, if

$$\phi = [\hat{\mathbf{u}}, \hat{\mathbf{v}}, \hat{\mathbf{w}}, \delta \hat{\mathbf{T}}]^{\mathrm{T}}$$

then

$$\phi_{\text{pole}} = \phi_{k+1} = \phi_k + \frac{\phi_k - \phi_{k-1}}{\delta \theta} (\delta \theta)$$
$$= 2\phi_k - \phi_{k-1} ,$$

where k+1 denotes the finite-difference grid point at the pole, k is the grid point next to the pole, and so forth. The solution of Eq. (27) is easily obtained by the Gaussian elimination algorithm outlined by Lindzen and Kuo. 28

In a situation where tidal modes are excited both directly by either solar thermal or lunar gravitational forcing, and also indirectly by "mode coupling" (cf. Lindzen and Hong 18) due to interactions with mean winds and meridional temperature gradients, the choice of numerical grid spacings must be determined by the highest order mode which contributes significantly to the resultant total tidal field. As will be discussed in Part II, the highest order solar semidiurnal modes of practical importance are (2, 4) and (2, 5). The (2, 6) mode does not enter as significantly as in other studies of the semidiurnal tide (Lindzen and Hong 18) due to (a) better latitudinal resolution in the present model, and (b) the damping effects of eddy diffusion in the mesosphere and lower thermosphere. For individual modes, finite difference steps in the vertical (δx) and in latitude ($\delta \theta$) required to obtain a convergent solution are determined by comparing simulations for an "almost inviscid" motionless atmosphere with computations based on classical inviscid tidal theory (cf. Chapman and Lindzen 17). For the (2, 2) and (2, 4) symmetric semidiurnal modes, accuracies of 10 percent are obtained for $\delta\theta = 6^{\circ}$ and $\delta x = 0.2$. Similar accuracies apply to the (2, 3) and (2, 5) antisymmetric solar modes, to the first four solar terdiurnal modes, and the first four lunar semidiurnal gravitational modes, since these are characterized by vertical and horizontal scales very similar to their solar (2, 2) and (2, 4) counterparts. For the (2, 6) mode, 50 percent accuracy is obtained with $\delta\theta = 6^{\circ}$ and $\delta x = 0.2$. The solar diurnal (1, -2), (1, -4), and (1, -1) modes are easily resolved to better than 10 percent accuracy. The short-wavelength (1, 3) and (1, 2) modes are not efficiently excited and are subject to diffusive damping in the mesosphere (see later discussion); therefore, they are not considered. The only difficulty in economically

Lindzen, R.S., and Kuo, H.L. (1969) A reliable method for the numerical integration of a large class of ordinary and partial differential equations, Mo. Wea. Rev. 97:732-734.

resolving an observationally important tidal mode occurs with respect to the (1, 1) solar symmetric diurnal propagating tide. However, mode coupling is not important for the (1, 1) mode since it is primarily restricted to latitudes less than 30° where mean winds and meridional temperature gradients are very weak. Thereform, an "equivalent gravity wave" approach (Lindzen, ⁵ Forbes and Hagan ²⁹) can be successfully utilized in simulating the (1, 1) mode in the presence of molecular and eddy diffusion. Such an approach is described later in this paper.

3. BACKGROUND ATMOSPHERE

3.1 Introduction

In this study tidal oscillations are treated as linear perturbations on a background atmosphere which is dependent on height and latitude. Examination of Eqs. (10)-(13) indicates that zeroth-order solutions for westerly velocity and temperature must be provided to solve for the first-order tidal perturbations. In addition, macroscopic parameterizations of molecular and turbulent diffusion of heat and momentum are required, as well as composition variations and ion drag. Basically, terms in Eqs. (10)-(13) which involve these parameterizations or models represent coupling of the tidal equations to other sets of equations which describe these respective physical processes. Errors involved in neglecting feedback from these processes are generally small compared to uncertainties connected with specification of excitation mechanisms and with the observational data that we are attempting to interpret. For further discussion of the assumptions and approximations made in writing Eqs. (10)-(13), the reader is referred to Forbes and Garrett. ¹⁶

3.2 Winds, Temperature, and Composition

Models for the background (zonally-averaged) westerly velocity and temperature fields as shown in Figures 1 and 2 are based on those utilized by Lindzen and Hong 18 below 100 km and computed by Roble et al 30 above 100 km. These contours represent an adequate representation of the zonal mean thermal and dynamical structure of the stratosphere, mesosphere, and thermosphere for our purposes. To simulate tides for particular days or periods where simultaneous global measurements are taken it would be desirable to make corresponding adjustments to

Forbes, J.M., and Hagan, M.E. (1979) Tides in the joint presence of friction and rotation: an f-plane approximation, J. Geophys. Res. 84: 803-810.

Roble, R.G., Dickinson, R.E., and Ridley, E.C. (1977) Seasonal and solar cycle variations of the zonal mean circulation in the thermosphere,
 J. Geophys. Res. 82:5493-5504.

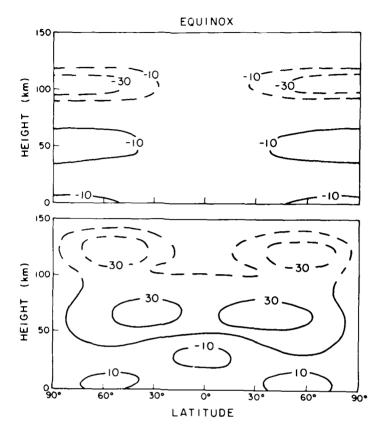


Figure 1. Contours of Zonally-averaged Westerly Velocity (bottom) in m/sec and Differences From Equatorial Temperature (top) in K at Equinox. Since equinox fields are negligibly small above 150 km, solar cycle variability of these fields is neglected for equinox conditions. Dashed lines are utilized to indicate uncertainties in the circulation between 90 and 170 km

the parameterizations of the background atmosphere in the unlikely event that these data are also available in sufficient quantity. Some modification of the winds and temperatures from Roble et al³⁰ between 90 and 120 km, which is the region of greatest uncertainty for their model due to boundary effects, was performed to allow for a smooth merging with profiles below 100 km. The mean zonal winds as computed by Roble et al³⁰ are due solely to the direct circulation forced by UV and EUV solar radiation absorption in the lower thermosphere, and do not take into account possibly comparable accelerations by tides and gravity waves being dissipated in this region. Contours between 90 and 150 km are represented by dashed curves in Figures 1 and 2 to reflect these uncertainties. Simple trigonometric and

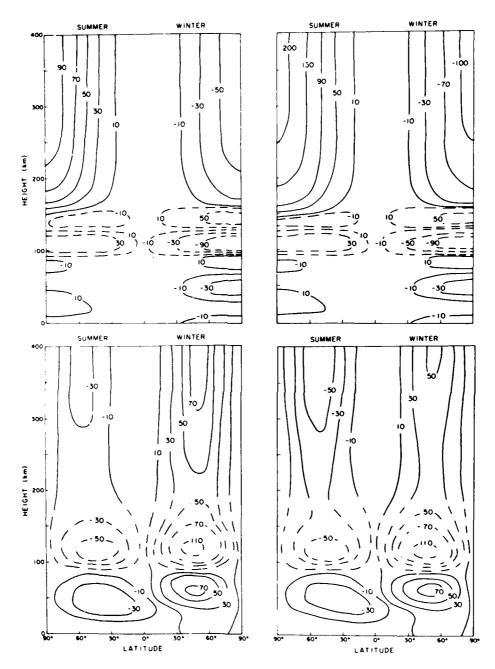


Figure 2. Contours of Zonally-averaged Westerly Velocity (bottom) in m/sec and Differences From Equatorial Temperature (top) in K at December Solstice. The left and right figures correspond to global mean exospheric temperatures (\overline{T}_0) of 800 K and 1200 K, respectively. Dashed lines indicate uncertainties in the circulation between 90 and 170 km

exponential functions were utilized to fit the Roble et al 30 model analytically as a function of height, latitude, season, and level of solar activity. We calculate the thermospheric distribution of mean molecular weight as a function of height, latitude, season, and solar cycle, using the MSIS model (Hedin et al 31 , 32) in the same way as Roble et al. 30

3.3 Molecular Conductivity and Viscosity

A parametric representation of the molecular conductivity coefficient, K_0 , is derived from empirical fits to experimental data as given by Banks and Kockarts³³:

$$K_0 = AT^{0.69} + BT + C$$

where

$$A = \sum_{i} \left[K_{i} \left(\frac{1}{n_{i}} \sum_{j} n_{j} \phi_{ij} \right)^{-1} \right]$$

$$\phi_{ij} = \frac{\left[1 + (K_i/K_j)^{1/2} (m_i/m_j)^{1/4}\right]^2}{2(2^{1/2}) \left[1 + (m_i/m_j)\right]^{1/2}}$$

$$B = \frac{1.9n(N_2)}{\sum_{i} \phi(N_2)_{i} n_{i}} + \frac{2.55n(O_2)}{\sum_{i} \phi(O_2)_{i} n_{i}}$$

$$C = \frac{51.4 \text{n} (\text{N}_2)}{\sum_{i} \phi(\text{N}_2)_i n_i} - \frac{92.7 \text{n} (\text{O}_2)}{\sum_{i} \phi(\text{O}_2)_i n_i}$$

Hedin, A.E., Salah, J.E., Evans, J.V., Reber, C.A., Newton, G.P., Spencer, N.W., Kayser, D.C., Alcayde, D., Bauer, P., Cogger, L., and McClure, J.P. (1977) A global thermospheric model based on mass spectrometer and incoherent scatter data, MSIS 1. N₂ density and temperature, J. Geophys. Res. 82:2139-2147.

^{32.} Hedin, A.E., Reber, C.A., Newton, G.P., Spencer, N.W., Brinton, H.C., Mayr, H.G., and Potter, W.E. (1977) A global thermospheric model based on mass spectrometer and incoherent scatter data, MSIS 2. Composition, J. Geophys. Res. 82:2148-2156.

^{33.} Banks, P.M., and Kockarts, G. (1973) Aeronomy, Part B, Academic Press, New York.

The values for $\phi(N_2)_i$ are as follows:

Species	<u>Value</u>
0	0.771
O_2	0.975
$^{ m N}_{ m 2}$	1.0
Не	0.301
Н	0.195

The values for $\phi(O_2)_i$ are as follows:

Species	<u>Value</u>
O	0.718
O_2	1.0
$^{ m N}_2$	1.02
Не	0.293
Н	0.192

These experimental data include a contribution to the thermal conductivity resulting from excitation of the vibrational degrees of freedom in N_2 and O_2 . Since collisional quenching rates are extremely low above 100 km, equilibrium between the vibrational levels and gas kinetic energy is not established through collisions, and the N_2 and O_2 vibrational temperature can exceed the gas kinetic temperature in the thermosphere (Roble and Dickinson 34). Therefore, for thermospheric calculations the vibrational contribution to K_0 for O_2 and N_2 should be removed. Following Roble and Dickinson, 34 the experimental values for thermodynamic equilibrium are corrected by

$$K_o = K_{\text{experimental}} \left\{ 1 + \frac{2}{7} \frac{(\theta/T)^2 \exp(\theta/T)}{(\exp(\theta/T) - 1)^2} \right\}^{-1}$$

where it is assumed that O_2 and N_2 behave as quantum mechanical harmonic oscillators, and that $\theta(N_2)$ = 3340 K and $\theta(O_2)$ = 2230 K are the characteristic harmonic oscillator temperatures. Figure 3 shows that a good fit to the vibrationally

^{34.} Roble, R.G., and Dickinson, R.E. (1973) Is there enough solar extreme ultraviolet radiation to maintain the global mean thermospheric temperture?, J. Geophys. Res. 78:249-257.

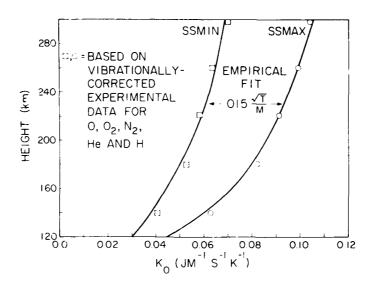


Figure 3. Empirical Fits to Thermal Conductivities Based on Corrected Laboratory Data and Species Composition as Given by the MSIS Model (see text)

corrected conductivity for an N_2 , O_2 , O_3 , O_4 , and O_4 thermospheric gas mixture as specified by the MSIS model is given by $O_4 = O_4 =$

$$K_0/\mu_0 = [1/4(9\gamma - 5)]c_V$$

which is a good approximation for monatomic, diatomic, or weak dipolar molecules.

For parameterizations of the form $K_o = K_{oo} T^{2/3}/M$ and $\mu_o = \mu_{oo} T^{2/3}$, linearizing the divergences of momentum and heat flux due to molecular diffusion in Eqs. (10)-(13) yields

$$\frac{\partial}{\partial z} \mu_{O} \frac{\partial}{\partial z} = \mu_{O} \left[\frac{\partial^{2}}{\partial z^{2}} + \frac{2}{3} \frac{1}{T_{O}} \frac{\partial T_{O}}{\partial z} \frac{\partial}{\partial z} \right]$$

$$\frac{\partial}{\partial z} K_{o} \frac{\partial}{\partial z} = K_{o} \left[\frac{\partial^{2}}{\partial z^{2}} + \frac{4}{3} \frac{1}{T_{o}} \frac{\partial T_{o}}{\partial z} \frac{\partial}{\partial z} - \frac{2}{9} \left(\frac{1}{T_{o}} \frac{\partial T_{o}}{\partial z} \right)^{2} \right]$$

$$- \frac{1}{M} \frac{\partial M}{\partial z} \frac{\partial}{\partial z} + \frac{2}{3} \frac{1}{T_{o}} \frac{\partial^{2} T_{o}}{\partial z^{2}} - \frac{2}{3} \frac{1}{M} \frac{\partial M}{\partial z} \frac{1}{T_{o}} \frac{\partial T_{o}}{\partial z} \right]$$

3.4 Ion Drag

As discussed by Forbes and Garrett, 16 the ion drag and Hall coefficients in Eqs. (10) and (11) are adequately approximated by

$$\varepsilon_1 \approx \frac{N_i}{N} \frac{v_{in}}{1 + (v_{in}/\omega_i)^2}$$

$$\epsilon_2 \approx (\nu_{\rm in}/\omega_{\rm i})\epsilon_1$$

where

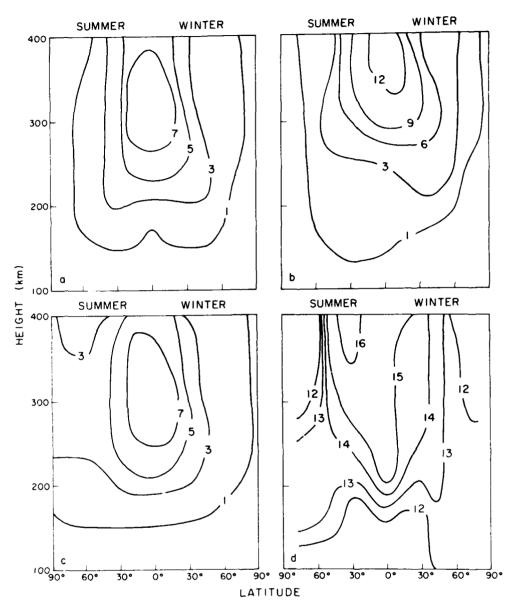
N; ion density;

N neutral density;

 ω ; ion gyrofrequency;

 v_{in} ion-neutral collision frequency.

and $\nu_{\rm in}$ = 2.6 \times 10⁻⁹ (N/M^{1/2}) in cgs units where M is the mean molecular weight in AMU. The Lorentz deflection (Hall) force is small compared to the coriolis force and may be neglected in practice (Forbes and Garrett¹⁶). The ion drag force acts as an important momentum sink as well as a mechanism for coupling tidal oscillations of various periods (24, 12, and 8 hours). Figures 4 and 5 illustrate amplitude and phase contours of the mean, diurnal, and semidiurnal ion drag coefficients. The F-region winter anomaly at midlatitudes, and in particular its variation in intensity with solar cycle, is easily discerned in the diurnal and semidiurnal components of the ion drag force. Similarly, phases of the diurnal and semidiurnal components at low latitudes reflect salient features of the latitudinal and temporal structure of the Equatorial (Appleton) F-region Anomaly.



(

Figure 4. Contours (for December solstice) Representing Ion Drag in Terms of (100 ϵ_n/ω) (ϵ_n/ω ranges from 10^{-2} to 12×10^{-2}) where ω = earth's rotation rate and ϵ_n is the harmonic component of the ion drag coefficient: (a) diurnal amplitude for \overline{T}_0 = 800 K; (b) diurnal amplitude for \overline{T}_0 = 1200 K; (c) zonal mean for \overline{T}_0 = 800 K; and (d) diurnal phase (LT) for \overline{T}_0 = 800 K

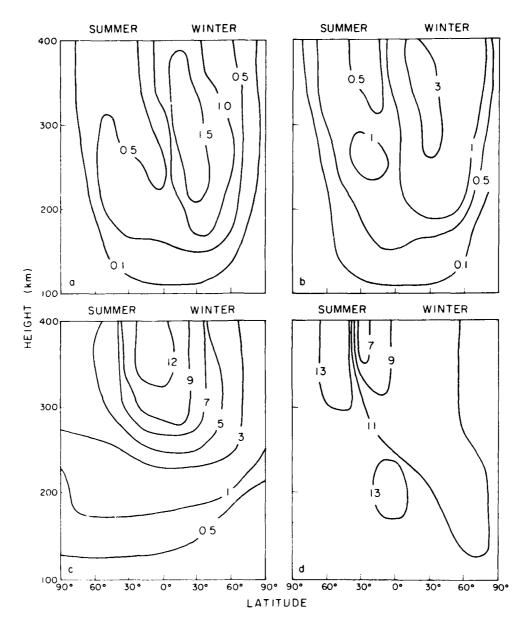


Figure 5. Contours (for December Solstice) Representing Ion Drag in Terms of (100 $\epsilon_{\rm n}/\omega$) ($\epsilon_{\rm n}/\omega$ ranges from 10⁻² to 12 × 10⁻²) where ω = earth's rotation rate and $\epsilon_{\rm n}$ is the harmonic component of the ion drag coefficient; (a) semidiurnal amplitude for $\overline{T}_{\rm O}$ = 800 K; (b) semidiurnal amplitude for $\overline{T}_{\rm O}$ = 1200 K; (c) zonal mean for $\overline{T}_{\rm O}$ = 1200 K; and (d) semidiurnal phase (LT) for $\overline{T}_{\rm O}$ = 800 K

3.5 Eddy Diffusivity

As will be demonstrated in subsequent parts of this study, short wavelength modes are affected by realistic values of eddy diffusivity in the mesosphere. Three ad hoc profiles of $K_{\mbox{eddy}}$ to evaluate these effects are illustrated in Figure 6. These are designated "low," "moderate," and "high," for $K_{\mbox{eddy}}$ values in the mesosphere and lower thermosphere of order $10^5~\mbox{cm}^2/\mbox{sec}$, $5\times10^5~\mbox{cm}^2/\mbox{sec}$, and $5\times10^6~\mbox{cm}^2/\mbox{sec}$, respectively.

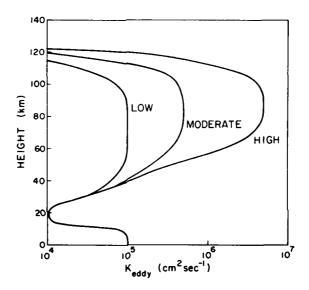


Figure 6. Contours of Eddy Diffusivity for Low, Moderate, and High Mesospheric Mixing Rates

4. EXCITATION MECHANISMS

4.1 Thermal Forcing

Atmospheric tides are excited primarily by diurnal variations in $\rm H_2O$ insolation absorption in the troposphere and lower stratosphere, in $\rm O_3$ insolation absorption in the mesosphere, in EUV and UV radiation absorption in the thermosphere, in ion-neutral momentum coupling in the F-region, and by lunar time variations in gravitational forcing. For almost a decade the heating rates due to insolation absorption by $\rm O_3$ and $\rm H_2O$ as given by Chapman and Lindzen 17 have been widely used in tidal studies. The present study adopts more up-to-date determinations of the tidal forcing due to $\rm O_3$ and $\rm H_2O$ insolation absorption (Forbes and Garrett 14)

which differ from those of Chapman and Lindzen 17 in their vertical structure and seasonal dependence. Forbes and Garrett 14 compute the O2 and H2O heating rates as functions of height, latitude, season, and local time. Fourier decompose the heating rates into subharmonics of a solar day (that is, periods of 24, 12 and 8 hours), and at each height decompose the latitude structure corresponding to a given period into Hough modes. As discussed in Forbes and Garrett 14 the major heating for both ${\rm H_2O}$ and ${\rm O_3}$ is associated with the (1, -2) and (2, 2) modes. Further, in contrast to the heating profiles presented by Chapman and Lindzer, 17 the vertical heating structures vary with season, with tidal period, and between different Hough modes of the same period. For instance, the magnitude of the (2, 4) heating relative to (2, 2) and its seasonal variability are significantly greater for the Forbes and Garrett 14 calculations than the magnitude indicated by Chapman and Lindzen ¹⁷ and utilized by Hong and Lindzen. ²² The relative importance of direct thermal forcing of higher order modes such as (2, 4), (2, 5), and (2, 6) in comparison to indirect forcing by "mode coupling" due to interactions with background winds must therefore be reexamined. One study using similarly revised heating rates has been performed by Walterscheid et al. 21.

Solar EUV is the most important source of in-situ excitation of thermospheric tides. The solar EUV spectrum and its dependence on the solar cycle is still open to uncertainty. Here, we adopt the method of Garrett and Forbes, ²³ in which the thermospheric tidal heating rates are fixed by calibrating computed tidal temperatures with those measured by incoherent scatter radar. Explicit profiles of heat and momentum sources driving atmospheric tides are presented in subsequent parts of this study.

4.2 Ion-Neutral Momentum Coupling

Hydromagnetic effects enter through a Lorentz force in the horizontal momentum equations. The Lorentz force can be approximated by terms of the form ϵv where ϵ represents the ion drag coefficient and v is a component of horizontal velocity (electron velocities are neglected in comparison; Forbes and Garrett ¹⁶). To linearize, we expand ϵ and v as follows:

$$\varepsilon \approx \varepsilon_0 + \varepsilon_1^+ e^{i\sigma t} + \varepsilon_1^- e^{-i\sigma t} + \varepsilon_2^+ e^{2i\sigma t} + \varepsilon_2^- e^{-2i\sigma t}$$

$$v \approx v_0 + v_1^+ e^{i\sigma t} + v_1^- e^{-i\sigma t} + v_2^+ e^{2i\sigma t} + v_2^- e^{-2i\sigma t}$$

then

$$\mathbf{v} \approx \epsilon_0 \mathbf{v}_0 + \epsilon_1^+ \mathbf{v}_1^- + \epsilon_1^- \mathbf{v}_1^+ + \epsilon_2^+ \mathbf{v}_2^- + \epsilon_2^- \mathbf{v}_2^+$$
 (mean terms)
$$+ (\epsilon_0 \mathbf{v}_1^+ + \epsilon_1^+ \mathbf{v}_0 + \epsilon_1^- \mathbf{v}_2^+ + \epsilon_2^+ \mathbf{v}_1^-) e^{i\sigma t}$$

$$+ (\epsilon_0 \mathbf{v}_1^- + \epsilon_1^- \mathbf{v}_0 + \epsilon_1^+ \mathbf{v}_2^- + \epsilon_2^- \mathbf{v}_1^+) e^{-i\sigma t}$$
 (diurnal terms)
$$+ (\epsilon_0 \mathbf{v}_2^+ + \epsilon_1^+ \mathbf{v}_1^+) e^{2i\sigma t}$$

$$+ (\epsilon_0 \mathbf{v}_2^- + \epsilon_1^- \mathbf{v}_1^-) e^{-2i\sigma t}$$
 (semidiurnal terms)

+ terdiurnal and quatradiurnal terms

Inclusion of only terms proportional to ϵ_0 in the momentum equations implies that "temporal coupling" is neglected. In the present study the semidiurnal and terdiurnal terms in the above expansion are treated as momentum source terms in Eqs. (10)-(13). For instance, since coupling can be neglected for the diurnal tide (Forbes and Garrett 16), a semidiurnal momentum source term can be independently computed from the diurnal tidal winds and the diurnal harmonic of the ion drag coefficient. Then, coupling of the diurnal and semidiurnal tidal winds with the semidiurnal and diurnal ion drag components, respectively, gives rise to a terdiurnal source term.

4.3 Gravitational Forcing

The lunar semidiurnal gravitational potential is known with much greater precision than thermal forcing mechanisms. Decomposition of the gravitational potential as given by Siebert 11 into Hough functions gives (Chapman and Lindzen 17)

$$\hat{\Omega} = -2.3662 \Theta_{2,2} -0.5615 \Theta_{2,4} + \dots$$

in m²/sec².

5. THE SOLAR DIURNAL TIDE

5.1 Excitation

Hough functions and velocity expansion functions for the diurnal tidal modes of practical importance are shown in Figure 7. Note that while the Hough functions are orthogonal:

$$\int_{-1}^{1} \Theta_{n} \Theta_{m} d\mu = 0 \quad n \neq m$$

where $\mu = \cos \theta$ and θ is the colatitude, it is simple to show ³⁵ that the velocity expansion functions are orthogonal with respect to the weighting function $\mu = \sigma^2 - f^2$:

$$\int_{-1}^{1} \rho V_{n} V_{m} d\mu = 0 \quad n \neq m$$

where V = westerly or northerly expansion functions from classical tidal theory, σ = wave frequency, and f = coriolis frequency. Figure 8 shows the corresponding vertical profiles of diurnal heating rates due to H_2O and O_3 insolation absorption (multiplied by the factor $e^{-x^4/2}$ where $x' = -\ln (p/p_0)$ to reflect the relative importance of the various heating rates more realistically). The major heating for both H_2O and O_3 is associated with the symmetric (1,-2) mode. The (1, 1) and (1,-4) symmetric modes are excited with about equal strength, but with amplitudes from 20 to 25 percent of the (1,-2) heating rates. Seasonal variability of these symmetric modes is about 10 percent or less; the asymmetric (1,-1) mode accounts for most of the seasonal variability in the diurnal tidal forcing.

Thermospheric tides are forced in-situ by absorption of EUV (200-1000A) and UV (1200-1750A, Schumann-Runge continuum; 1750-2000A, Schumann-Runge band system) radiation between 90 and 200 km. Like the O₃ and H₂O insolation absorption heating rates, the EUV and UV heating rate, once known, is Fourier decomposed into subharmonics of a solar day. However, it is conventional to retain the Fourier representation of the thermospheric heating profiles since Hough modes are not eigenfunctions of the tidal system in a viscous atmosphere. Further, due to uncertainties in the absolute values of the EUV and UV solar fluxes, thermospheric models are often funed to yield observed diurnal temperature oscillation

^{35.} Tung, K.K., private communication.

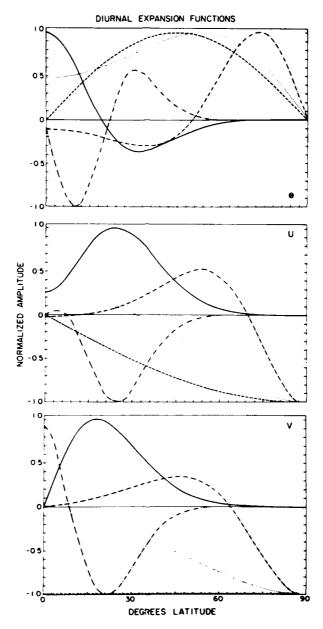


Figure 7. Top: Hough Functions for Diurnal Modes Normalized to a Maximum Value of Unity. Keys and normalization factors for each Hough mode are: (1,1) (—, 0.606); (1,-1) (—, 1.034); (1,-2) (····, 1.054); (1,-4) (—··—, 0.513); (1,2) (—··—, 0.641). Bottom: Northerly velocity expansion functions for diurnal modes normalized to a maximum value of unity. Normalization factors, are, respectively, 0.026, 0.126, 0.100, 0.024, 0.015. Center: Westerly velocity expansion functions for diurnal modes normalized to a maximum value of unity. Normalization factors are, respectively, 0.038, 0.130, 0.100, 0.024, 0.018

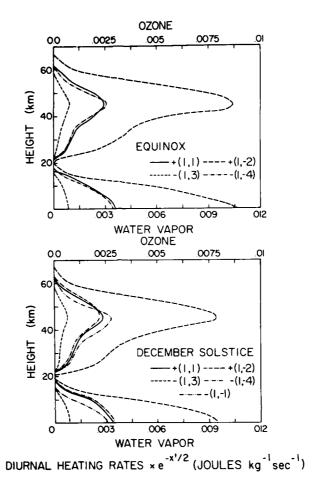


Figure 8. Hough Decomposition of Diurnal Heating Rates at Equinox (top) and December Solstice (bottom) Due to Insolation Absorption by H₂O and O₃, and Multiplied by the Factor $e^{-x^1/2}$ where $x^1 = -\ell n$ (p/p_o)

amplitudes. This is possible since the diurnal thermospheric tide is excited almost exclusively in-situ, and is sufficiently large so that a reliable experimental determination of its amplitude can be made. The shape of the local time variation of heating at a given height and latitude, which depends on the thermal and compositional structure of the background atmosphere, in turn fixes the amplitudes of the mean, semidiurnal, and terdiurnal heating components relative to the diurnal component.

Forbes and Garrett first utilized such a tuning procedure to app. eximate the diurnal variation of exospheric temperature at the equator inferred by Jacchia and Slowey 36 from satellite drag measurements over a wide range of solar conditions. An independent check (Forbes and Garrett³⁷) of the diurnal temperature oscillation amplitudes at midlatitudes showed excellent agreement with the incoherent scatter data published by Salah et al, 15 which represent a combination of Millstone Hill $(42^{\circ}N)$ and St. Santin $(45^{\circ}N)$ observations from 1969 to 1972 (100 \lesssim $F_{10.7} \lesssim$ 200). The Millstone Hill data analyzed by Salah et al¹⁵ is of the "one-pulse" type, and in its uncorrected form is generally inferior to the "twopulse" data available at Millstone Hill since January 1976 (Oliver 38). Based on recent analyses of two-pulse Millstone Hill data by Oliver³⁸ and Hagan et al. ³⁹ the present model is calibrated to a diurnal exospheric temperature oscillation amplitude of 110 K for a mean exospheric temperature of 1000 K for equinox conditions at Millstone Hill. These authors are planning journal articles which will address calibration of the model over a wide range of conditions and interpretation of the corresponding incoherent scatter data.

Diurnal heating profiles calculated using the formulation of Forbes and Garrett are illustrated in Figure 9. The upper and lower peaks are due to EUV and UV absorption, respectively. In addition, the increase in altitude of the peaks as the zenith angle (χ) increases is clearly evident. For an overhead sun (χ = 0) the UV and EUV absorption peaks lie at z = 100 km and z = 130 km, respectively, with corresponding peak total heating rates of $5.0 \times 10^{-7} \ \mathrm{J/m^3}$ sec and $1.66 \times 10^{-8} \ \mathrm{J/m^3}$ sec. The total height-integrated heat inputs for χ = 0 correspond to values of $\overline{\epsilon F_\infty}$ = .3 erg/cm² sec for UV and $\overline{\epsilon F_\infty}$ = 0.70 erg/cm² sec for EUV excitations, where ϵ is the heating efficiency, F_∞ is the unattenuated solar flux, and the overbar represents an average over the relevant wavelength bands. While it is recognized the ϵ may exhibit some height dependence (Torr et al 40), this does not appreciably affect values of the integrated heat input quoted above.

^{36.} Jacchia, L.G., and Slowey, J.W. (1968) Diurnal and seasonal-latitudinal variations in the upper atmosphere, Planet. Space Sci. 16:509-524.

Forbes, J.M., and Garrett, H.B. (1979) The solar cycle variability of diurnal and semidiurnal thermospheric temperatures, <u>J. Geophys. Res.</u> 84:1947-1949.

^{38.} Oliver, W.L. (1980) Improved Millstone Hill exospheric temperature measurements: evidence for a seasonal variation of the magnetic activity effect, J. Geophys. Res. 85:4237-4247.

^{39.} Hagan, M.E., Forbes, J.M., Satyanarayana, P., and Oliver, W.L., unpublished data.

^{40.} Torr, M.R., Richards, P.G., and Torr, D.G. (1980) A new determination of the ultraviolet heating efficiency of the thermosphere, <u>J. Geophys. Res.</u> 85:6819-6823.

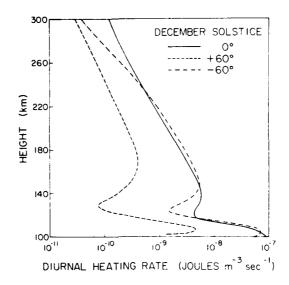


Figure 9. Diurnal Heating Rates for December Solstice at 0, 60, and -60° Latitude Due to UV and EUV Absorption in the Thermosphere

5.2 Special Treatment of the Diurnal Propagating Tide

As discussed previously, satisfactory numerical convergence could not be attained for the (1, 1) mode excited by H_2O and O_3 insolation absorption using the present eighth-order viscous model and grid spacings of $\delta\theta$ = 6° and δx = 0.05. (From the standpoint of computational economy on a CDC 6600 machine, smaller grid spacings were deemed unacceptable.) The alternative adopted in this situation is to utilize an f-plane "equivalent" gravity wave formalism (Forbes and Hagan²⁹) to compute the (1, 1) tidal fields. The equivalent gravity wave formalism provides an accurate description of the short-wavelength ($\lambda_z \approx 30$ km) (1, 1) mode since severe damping occurs at altitudes (z \leq 105 km) below the level (z \geq 150 km) where the time scale for friction is long compared to the wave period and hence the damping occurs before significant changes in horizontal shape occur (Lindzen⁵). Further, the diurnal tidal fields for $z \gtrsim 150$ km are dominated by those excited by in-situ absorption of UV and EUV radiation. Finally, since the (1, 1) mode is restricted to tropical latitudes where meridional temperature gradients are weak and the mean flow is slow compared to the phase speed of the wave, mode coupling is expected to be small, and the assumption of an unperturbed atmosphere which is dependent on height alone is therefore adequate for present purposes.

The f-plane equivalent gravity wave model was first tested using the Chapman and Lindzen 17 H₂O and O₃ heating functions in an atmosphere which is "almost inviscid" below 100 km and possesses a realistic exponential increase in molecular dissipation above 100 km. The results show excellent agreement with computations based on classical tidal theory below 90 km. However, these and similar computations utilizing the Forbes and Garrett 14 heating profiles yield amplitudes at 110 km of over 200 K (0° latitude) and 200 m/sec (18° latitude) for temperature and northerly velocity, respectively, which are at least a factor of 3 greater than that indicated by radar observations at Arecibo (Mathews, 41 Harper 42) and rocket measurements at Natal (Smith et al 43). This discrepancy between theory and observation can be reconciled by recognizing the effects of eddy diffusion of heat and momentum in the mesosphere and lower thermosphere (80-110 km); for a 24-hour period wave with 30 km vertical wavelength it is simple to show that significant damping can occur for mesospheric eddy diffusivities in excess of $10^6 \text{ cm}^2/\text{sec}$, which is a conservative value among those quoted in the literature. Lindzen 44 originally postulated that turbulence in the tropical mesosphere might in fact be generated by unstable breakdown of the tidal wave above 80 km, and that the "convectively adjusted" amplitudes would be more in line with the type of observations quoted above. As an alternate, more quantitative approach, Lindzen and Forbes 45 use the f-plane model of Forbes and Hagan 29 to investigate the production of turbulence in the tropical mesosphere and lower thermosphere by a cascade of energy from stable tidal waves to waves of smaller scale which eventually become unstable.

At this point the physics of mutual coupling between the diurnal tide and mesospheric turbulence are uncertain, and one must resort to a semi-empirical approach to obtain a realistic and usable model of the diurnal propagating tide in the mesosphere and lower thermosphere. In the present model the Lindzen and Forbes study is utilized as the physical basis for the calculations, which are basically calibrated to conform to limits set by observational data. This formalism assumes power laws for the cascade process of the form

Mathews, J.D. (1977) Measurements of the diurnal tides in the 80 to 100 km altitude range at Arccibo, <u>J. Geophys. Res.</u> 81:4671-4677.

Harper, R.M. (1981) Some results on mean tidal structure and day-to-day variability over Arecibo, J. Atmos. Terr. Phys. 43:255-262.

Smith, W.S., Theon, J.S., Swartz, P.C., Katchen, L.B., and Horvath, J.J. (1968) Temperature, Pressure, and Wind Measurements in the Stratosphere and Mesosphere, NASA TR-288, Washington, D.C.

Lindzen, R.S. (1968) The application of classical atmospheric tidal theory, Proc. Roy. Soc. A303:299:316.

Lindzen, R.S., and Forbes, J.M. (1982) Turbulence generation by stable waves and tides—submitted to J. Geophys. Res. 1982.

$$T_{\lambda'} \sim T_{\lambda} \left(\frac{\lambda}{\lambda'}\right)^{\alpha}$$

$$w_{\lambda'} \sim \frac{\omega T_{\lambda}}{\Gamma} \left(\frac{\lambda}{\lambda'}\right)^{\beta}$$

where

T = temperature

w = vertical velocity

ω = frequency

$$\Gamma = \frac{dT_0}{dz} + \frac{g}{c_p} = \text{static stability}$$

 $\lambda_{i} \lambda^{i} = wavenumbers$ at any two points in the spectral domain

 $\alpha.\beta$ = "power laws" of cascade process

thus leading to an eddy diffusion coefficient given by

$$D = D_{\max} \left(\frac{\lambda T}{\Gamma} \right)^{\frac{2 - \alpha + \beta}{1 - \alpha}}$$

where $\lambda T = \frac{\partial}{\partial z} \left(\delta T_{\text{diurnal}} \right)$ and if $\frac{\lambda T}{\Gamma} > 1$ then $\frac{\lambda T}{\Gamma}$ is set equal to 1. D_{max} is the eddy diffusion that causes exponential growth of the tidal oscillation to cease. Taking $D_{\text{max}} = 2 \times 10^6 \text{ cm}^2/\text{sec}$ and $\alpha = \beta = \frac{1}{3}$, the macroscopic tidal fields and the eddy diffusion profiles are iteratively adjusted until the process converges to a solution. This results in a D profile which peaks at a value of $2 \times 10^6 \ \mathrm{cm}^2/\mathrm{sec}$ at 102 km, and a diurnal temperature oscillation profile which peaks at about 75 K at 110 km. These results are not very sensitive to the choice of α and β . However, the tidal fields obtained by the procedure are larger than those obtained, on the average, by rocket soundings and radar observations (see Sec. 5). This implies that either another source of turbulence (that is, gravity waves) has been neglected, or the value of $D_{\rm max}$ for the (1,1) mode has been underestimated (no more than a factor of 2 accuracy is claimed in the choice of D_{max}). For present modeling purposes, therefore, the final D-profile of the iterative procedure has been adjusted to a maximum value of 5×10^6 cm²/sec at 102 km, yielding temperatures and winds more in line with current observational evidence. The corresponding profiles of eddy diffusion coefficient and (1, 1) tidal fields are illustrated in Figure 10.

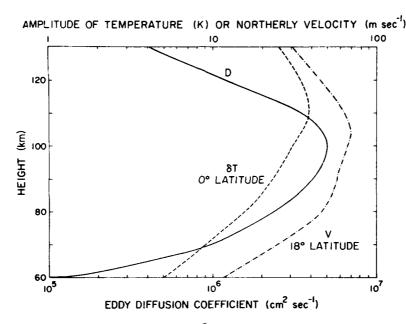


Figure 10. Temperature at 0° Latitude, Northerly Velocity at 18° Latitude, and Eddy Diffusion Coefficient (D) Corresponding to (1, 1) Diurnal Propagating Tide in the Present Model

5.3 Explicit Winds and Temperatures

Amplitude and phase vertical structures of the westerly, northerly, and vertical winds, and of temperature for the solar diurnal tide at equinox and solstice from the surface to 400 km altitude at 0, 18, 42, and 60° latitude are illustrated in Appendix A along with tabulations of all data at 6° latitude increments in Appendix B. The following features exhibited in the plots are worth noting:

- (1) Below 100 km at low latitudes the exponential amplitude growth and phase progression ($\lambda_{_{\rm Z}} \approx 30$ km) with height are characteristic of the (1, 1) diurnal propagating tide. The (1, 1) mode attains its peak amplitudes near 110 km, and decays rapidly above this height due to molecular dissipation.
- (2) Below 100 km at high latitudes the relative absence of amplitude growth and phase progression with height is indicative of the (1, -2) trapped mode. Superposition of the (1, 1) and (1, -2) modes accounts for the illustrated changes in vertical structure of the diurnal tidal winds and temperatures.
- (3) Amplitudes and phases of u, v, and δT asymptotically approach constant values above about 200 km. This behavior is consistent with the dominance of diffusion in the upper thermosphere, and with the condition that there be no sources of heat or momentum in the upper thermosphere.

(4) Diurnal tidal oscillations in the 90-150 km region receive about equal contributions from upward propagating and in-situ excited components.

6. THE SOLAR AND LUNAR SEMIDIURNAL TIDES

6.1 Excitation

The semidiurnal thermal excitation, like the diurnal, is obtained by Fourier decomposing the local time variations of the heating rates as a function of height and latitude. For the forcing due to insolation absorption by H2O and O2, the latitude structure of the 12-hour component at each height is decomposed into Hough modes. The semidiurnal Hough functions and horizontal velocity expansion functions of practical importance are illustrated in Figure 11. Figure 12 shows the corresponding vertical profiles of semidiurnal H_2O and O_3 heating rates calculated by Forbes and Garrett, ¹⁴ multiplied by the factor $e^{-x^1/2}$ where $x' = -\ln(p/\rho_0)$ to reflect the relative importance of the various heating rates more realistically. The major heating for both ${\rm H_2O}$ and ${\rm O_3}$ is associated with the (2, 2) mode, with less than 20 percent seasonal variation. In contrast to the heating profiles presented by Chapman and Lindzen, 17 the vertical structures vary with season, with tidal period (see Figure 8), and between different Hough modes of the same period. The relative importance of higher-order semidiurnal modes during equinox is significantly greater for the Forbes and Garrett 14 O_3 calculations than indicated in Chapman and Lindzen, 17 whereas for $\mathrm{H}_2\mathrm{O}$ the relative amplitudes are about the same. This is best described in terms of the ratios of peak heating amplitudes, (2,6):(2,4):(2,2), which for O_3 heating is 0.15:0.26:1.0 for Chapman and Lindzen and 0.25:0.42:1.0 for Forbes and Garrett; for H₂O heating, these ratios are 0.15:0.26:1.0 and 0.17:0.30:1.0, respectively. Significant (25-100 percent) seasonal variations in the ${\rm O_3}$ and ${\rm H_2O}$ semidiurnal heating rates are indicated for the (2, 4) and (2, 6) modes. In addition, the Forbes and Garrett 14 calculations include the (2, 3) and (2, 5) antisymmetric components of the thermal excitation, whereas the profiles of Chapman and Lindzen 17 do not include any seasonal effects whatsoever. All of the general features and many specific details of the Forbes and Garrett 14 heating profiles have been verified in subsequent heating rate calculations by Walterscheid et al²¹ and Bernard. ⁴⁶

As discussed in Section 5, the thermospheric EUV heating rates in the present model are tuned to yield the same diurnal exospheric temperature oscillation amplitudes as the Thomson scatter measurements at Millstone Hill. This is

Bernard, R. (1981) Seasonal variation in mesospheric semidiurnal tides. Computison of meteor radar observations and results from an excitation source model, J. Atmos. Terr. Phys. 43:101-109.

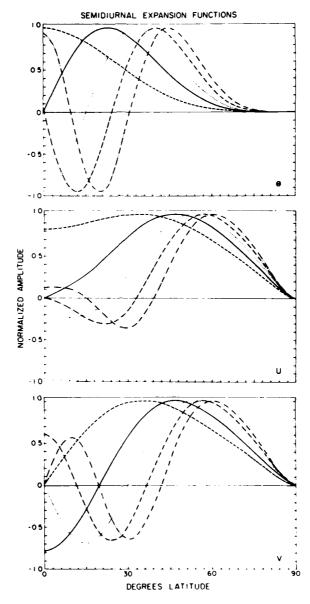
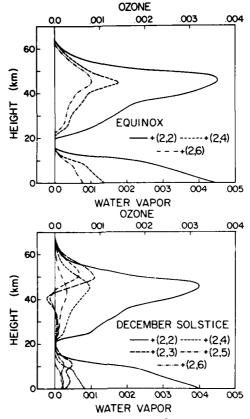


Figure 11. Top: Hough Functions for Solar Semidiurnal Modes Normalized to a Maximum Value of Unity. Keys and normalization factors for each Hough mode are: (2,2) (————, 0.855); (2,3) (——, 0.917); (2,4) (····, 0.926); (2,5) (——, —, 0.935); (2,6) (——··—, 0.935). Bottom: Northerly velocity expansion functions for solar semidiurnal modes normalized to a maximum value of unity. Normalization factors are, respectively, 0.326, 0.171, 0.110, 0.078, and 0.060. Center: Westerly velocity expansion functions for solar semidiurnal modes normalized to a maximum value of unity. Normalization factors are, respectively, 0.355, 0.182, 0.115, 0.081, and 0.062. Due to the small difference between the solar and lunar semidiurnal periods, these structures also represent good approximations to the lunar semidiurn. expansion functions



SEMIDIURNAL HEATING RATES $\times e^{-x^{1}/2}$ (JOULES kg $^{-1}$ sec $^{-1}$)

Figure 12. Hough Mode Decomposition of Semi-diurnal Heating Rates at Equinox (top) and December Solstice (bottom) Due to Insolation Absorption by $\rm H_2O$ and $\rm O_3$, and Multiplied by the Factor $\rm e^{-x^1/2}$ where $\rm x' = -\ell n \ (p/p_O)$

possible since the diurnal thermospheric tide is excited almost exclusively in-situ, and is sufficiently large that a reliable experimental determination of its amplitude can be made. The shape of the local time variation of heating at a given height and latitude, which depends on the thermal and compositional structure of the background atmosphere, in turn fixes the amplitude of the semidiurnal component relative to the diurnal component. Semidiurnal thermospheric heating rates constructed in this manner, utilizing the formulation of Forbes and Garrett to specify the height and solar zenith angle dependence of the heating, are given in Figure 13. Note that heating rates at different levels are not necessarily in phase, since the phase depends on whether the region is optically thin (higher altitudes, thin lines) or optically thick (lower altitudes, thicker lines), with respect to either

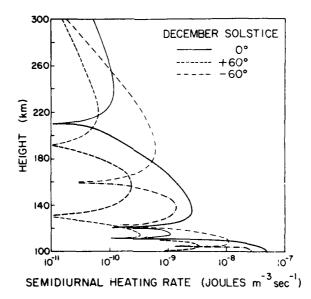


Figure 13. Semidiurnal Heating Rates for December Solstice at 0°, 60°, and -60° Latitude Due to UV and EUV Absorption in the Thermosphere. Thicker lines show the phase = 1200 (2400) LT, whereas thinner lines show the phase = 0600 (1800) LT

EUV (upper curves) or UV (lower curves) heating. This behavior of the semi-diurnal heating structures has been singled out by Dickinson et al⁴⁷ to account for the fact that the semidiurnal temperature amplitudes appearing in their thermospheric general circulation model are smaller than those published in Garrett and Forbes. ²³ In fact, the Garrett and Forbes²³ study did not take into account the change in shape with height of the local time structure of heating (as did Forbes and Garrett ¹⁴), and the present calculations essentially supersede the previous results for the semidiurnal thermosphere tide generated in-situ.

As indicated in Section 4, the coupling between mean and diurnal winds and the semidiurnal and diurnal components of ion drag, respectively, can be parameterized as momentum sources in the equations of horizontal motion for the semi-diurnal thermospheric tide. Contours of the amplitude and phase for the mean, diurnal, and semidiurnal components of the ion drag coefficient are given in Figures 4 and 5. Mean winds are taken from the study by Roble et al³⁰ as illustrated in Figures 1 and 2, and diurnal winds are taken from the present model. Profiles of the resulting semidiurnal accelerations utilized in the present calculations are

^{47.} Dickinson, R.E., Ridley, E.C., and Roble, R.G. (1981) A three-dimensional general circulation model of the thermosphere, J. Geophys. Res. 86: 1499-1512.

shown in Figure 14. The indicated F-region accelerations of order 10^{-2} m/sec² are comparable to the inertial term in the equation of motion: $u \frac{4\pi}{\tau} \approx 0.7 \times 10^{-2}$ m/sec² for τ = 24 h (86, 400 sec) and u = 50 m/sec.

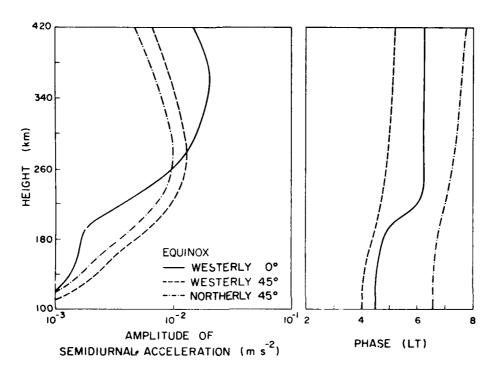


Figure 14. Semidiurnal Accelerations Due to Coupling Between Mean and Diurnal Winds, and Semidiurnal and Diurnal Components of Ion Drag, Respectively

It has been suggested in the recent literature (Lindzen, ⁴⁸ Hamilton, ⁴⁹) that latent heat release in clouds might provide a forcing mechanism for tides which could explain some discrepancies between observed and computed semidiurnal surface pressure oscillations (Lindzen ⁴⁸). Because including these sources of excitation would only modify the details of the tropospheric tidal distributions, whereas the present emphasis is on the simulation of winds and temperatures aloft (>50 km), tidal excitation due to latent heat release in clouds has been neglected in the present model.

^{48.} Lindzen, R.S. (1978) Effect of daily variations of cumulonimbus activity on the atmospheric semidiurnal tide, Mon. Weather Rev. 106:526-533.

^{49.} Hamilton, K. (1981) Latent heat release as a possible forcing mechanism for atmospheric tides, Mon. Weather Rev. 109:5-17.

6.2 "Mode Coupling" and Penetration of Propagating Tides into the Thermosphere

In an inviscid atmosphere where the unperturbed temperature is independent of latitude, the tidal equations are separable and classical tidal theory applies; the eigensolutions (Hough functions) of Laplace's tidal equation define the horizontal structure of each mode and the eigenvalues (equivalent depths) fix each mode's vertical structure. In the presence of mean winds and meridional temperature gradients or molecular and eddy dissipation, the equations are rendered inseparable and techniques similar to those employed in the present study must be utilized. However, in theoretical studies (Lindzen and Hong. 18 Walterscheid et al $^{19,\,20,\,21}$) of solar semidiurnal tides below 100 km it has nevertheless been found useful to interpret the indirect excitation of tidal modes due to the inseparability of the system as a type of "mode coupling". Indeed, it is instructive to begin interpretation of the present numerical simulations by examining the Hough decomposition of solar semidiurnal tidal temperatures excited by H2O and O3 insolation absorption, as illustrated in Figure 15 for solstice conditions. Below 60 km the atmosphere's semidiurnal response can be attributed to the (2, 2) mode, consistent with its preferential thermal excitation. Between 50 and 70 km exponential growth (2, 2) is interrupted, due in part to a tendency towards evanescent behavior connected with the unperturbed thermal structure, but also due to "coupling" into the higher order modes (2, 3), (2, 4), and (2, 5). Average vertical wavelengths, over the 0-100 km height region, range between about 90 and 150 km for the (2.3) and (2, 2), and 35-45 km for the (2, 5) and (2, 4) modes, with the lower values corresponding to the asymmetric modes. The higher-order modes maintain an exponential growth with height throughout the 50-100 km region. In fact, the semidiurnal tide is comprised of about equal contributions from the (2, 2), (2, 3), and (2,4) modes between 70 and 90 km, but predominantly the (2,4) mode with some contribution from the (2, 5) and (2, 2) modes between 90 and 120 km. Thus, the meteor wind region (80-100 km) is characterized by the joint presence of at least four semidiurnal modes whose relative amplitudes and phases change with height and latitude. This suggests that vertical structures of the total semidiurnal wind and temperature fields vary significantly with latitude; or equivalently, that the horizontal structures differ at various heights. Above 120 km the short-wavelength (2, 4) and (2, 5) modes are preferentially damped due to the exponential increase in molecular dissipation. Thus, the semidiurnal oscillation above 140 km is associated predominantly with the (2, 2) mode, with secondary contributions from the (2, 4) and (2, 5) modes.

The solstitial lunar semidiurnal tide is similar to the solar tide, as illustrated in Figure 16, and is mainly associated with the (2, 2) mode below 70 km. However, the (2, 4) mode becomes predominant between 80 and 110 km, with secondary

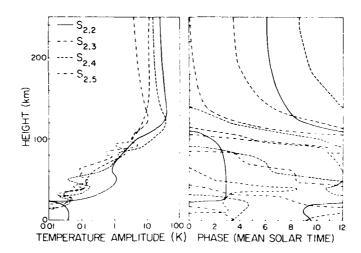


Figure 15. Hough Mode Decomposition of Solar Semidiurnal Solstitial Temperatures Due to Forcing by $\rm H_2O$ and $\rm O_3$ Insolation Absorption Alone

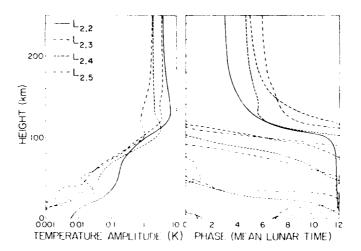


Figure 16. Hough Mode Decomposition of Lunar Semidiurnal Solstitial Temperatures Due to Gravitational Forcing

contributions from the (2, 2), (2, 3), and (2, 5) modes. Above 120 km the (2, 2) mode once again assumes the primary role, with a fairly strong secondary contribution from the (2, 3) mode. Clearly, but not surprisingly, "mode coupling" due to mesospheric mean winds and meridional temperature gradients is as important for the lunar tide as for the solar semidiurnal tide. This result was anticipated by on the basis of simpler models by Sawada, ⁵⁰ Kusuda and Sawada, ⁵¹ Miyahara. ⁵² Pokrovskii et al, ⁵³ and Evans. ⁵⁴

Similar descriptions for both the solar and lunar oscillations apply at equinox, except that the asymmetric (2, 3) and (2, 5) modes are absent.

As mentioned in Section 5.2, the eddy diffusion coefficient (D₁) necessary to cause the cessation of exponential growth with height for the (1, 1) mode (vertical wavelength $\lambda_1 \approx 30$ km; frequency $\sigma_1 = 2\pi/24$ h) is approximately 2×10^6 cm²/sec.

For the (2, 4) mode ($\lambda_2 \approx 45$ km; $\sigma_2 = 4\pi/24$ h), $D_2 \approx D_1 \frac{\sigma_2}{\sigma_1} \left(\frac{\lambda_2}{\lambda_1}\right)^2 = 9 \times 10^6$ cm²/sec. Significant damping effects on the (2, 4) and (2, 5) modes might therefore be expected for mesospheric eddy diffusivities in excess of about 2×10^6 cm²/sec, which come within ranges commonly quoted in the literature. To investigate the influence of eddy diffusion of heat and momentum on the propagation of semidiurnal tides, a series of computer runs was performed utilizing the eddy diffusion profiles given in Figure 6 – one for low (D₁), one for moderate (D₂), and one for high (D₃) eddy diffusivity. In all three profiles $K_{\rm eddy}$ has a value of 10^5 cm²/sec at the ground and 10^4 cm²/sec at a height of 20 km. Over heights with a lower bound of 60-80 km and upper bound of 100 km, $K_{\rm eddy}$ for the D₁ profile is 10^5 cm²/sec, for the D₂ profile 5×10^5 cm²/sec, and for the D₃ profile, 5×10^6 cm²/sec. All profiles decrease to 10^4 cm²/sec at 120 km. Figure 17 illustrates the (2, 4) mode temperature oscillation amplitude between 60 and 180 km excited by mode coupling due solely to the interaction of the thermally-forced (2, 2) mode with background mesospheric winds (top), and including direct thermal excitation of the (2, 4) mode as well as that due to mode coupling (bottom), for the D₁, D₂, and D₃ eddy profiles. Note that even in the absence of mean winds and direct forcing (dashed

Sawada, R. (1966) The effects of zonal winds on the atmospheric lunar tide, Arch. Met. Geoph. Biokl. A15:129-167.

^{51.} Kusuda, M. and Sawada, R. (1973) The role of higher mode component oscillations in the atmospheric lunar tides, J. Met. Soc. Jap. 51:244-251.

Miyahara, S. (1975) The effects on the atmospheric lunar tide of the meridional temperature gradient and the zonal winds, J. Met. Soc. Jap. 53:55-68.

Pokrovskii, G.B., Starostin, V.M., and Teptin, G.M. (1977) Seasonal variations of solar and lunar tides in the meteor zone, <u>Ann. Geophys.</u> 33:89-94.

^{54.} Evans, J.V. (1978) A note on lunar tides in the ionosphere, J. Geophys. Res. 83:1647-1653.

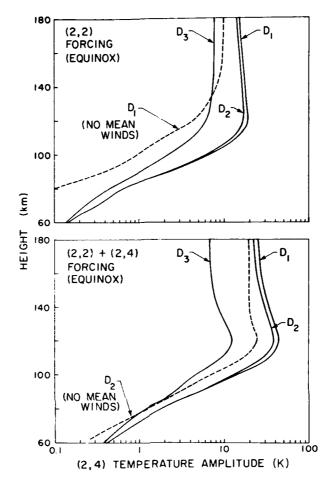


Figure 17. Temperature Oscillation Amplitudes Associated With (2,4) Mode for the $\rm D_1,\ D_2,\ and\ D_3$ Eddy Profiles Given in Figure 6

curve, top figure) the (2,4) mode temperature oscillation also appears, due to distortion (mode coupling) of the (2,2) mode in the presence of dissipation. Comparison of the dashed and solid curves for D_1 in the top figure provides a measure of the thermospheric (2,4) mode due to "mode coupling" in the mesosphere, whereas the difference between the dashed and solid curves for D_2 in the bottom figure is due to the contribution to the (2,4) mode from direct thermal excitation by H_2O and O_3 insolation absorption (however, due to phase differences, these amplitudes are not simply additive). Note that no significant differences in the calculated (2,4) mode response exist between the D_1 and D_2 profiles. Significant effects occur for the D_3 profile, however. It is therefore concluded that eddy diffusivities greater than about 10^6 cm $^2/{\rm sec}$ can significantly affect the propagation of semidiurnal

tides from the mesosphere into the thermosphere and thus account for some of the seasonal and day-to-day variability observed in lower thermosphere tides.

The penetration of propagating tides into the thermosphere is discussed later in this report when the origin of the semidiurnal thermospheric tide is analyzed.

6.3 Explicit Winds and Temperatures

Amplitude and phase vertical structures of the westerly, northerly, and vertical winds, and of temperature for the solar and lunar semidiurnal tides at equinox and solstice from the surface to 400 km altitude at 0, 18, 42, and 60° latitude are illustrated in Appendix A. Tabulations of all data at 6° latitude increments are given in Appendix B. Note the following:

- (1) The semidiurnal tides exhibit behavior similar to the diurnal tide; exponential growth and downward phase progression with height below 120 km, and asymptotic behavior to constant amplitudes and phases in the diffusion-dominated region above 200 km.
- (2) Both the solar and lunar tides exhibit a shift from long to short vertical wavelengths above about 60 km, due to "mode coupling" in the presence of mean winds and meridional temperature gradients.
- (3) Solar semidiurnal winds in the lower thermosphere have speeds as great as the diurnal winds, except that they tend to be greater at middle to high latitudes whereas the diurnal winds have the highest speeds at low latitudes.
- (4) In the upper thermosphere solar diurnal and semidiurnal winds are of order 50-150 m/sec and 20-40 m/sec, respectively. However the largest (smallest) winds for the semidiurnal (diurnal) tide are found at low latitudes. Therefore, the total wind field tends to shift from an equal mixture of diurnal and semidiurnal components at low latitudes, to a predominantly diurnal wind at middle and high latitudes.
- (5) On the other hand, both the solar diurnal and semidiurnal temperatures in the upper thermosphere tend to decrease with latitude, with oscillation amplitudes in ranges 50-150 K and 10-60 K, respectively.
- (6) At most latitudes the lunar semidiurnal winds and temperatures above 100 km are of the order of 20 percent of the solar semidiurnal oscillations, and can thus account for a significant portion of reported day-to-day variations in the solar component. Indeed, at middle to high latitudes lunar temperature and wind oscillation amplitudes approach 10 K and 10 m/sec in the vicinity of 110-120 km, which are sufficiently large to be extracted from manageable data series if verification of these theoretical predictions were to be attempted.

6.4 Origin of the Solar Semidiurnal Thermospheric Tide

In the present model, the solar semidiurnal thermospheric tide is attributed to three sources of excitation: (1) EUV solar radiation absorption in the lower thermosphere; (2) in-situ momentum coupling due to the interaction of diurnal winds and diurnally-varying ion drag; and (3) tides of lower atmosphere origin propagating into the thermosphere. The relative importance of these various sources at 420 latitude, where extensive experimental determinations of the solar semidiurnal exospheric temperature variation exist can be evaluated from the data in Table 1. Here sources (1) and (3) account for most of the total variation, with something on the order of 25 percent being contributed by source (2). However, at low latitudes the momentum coupling source assumes primary importance, suggesting that all of these mechanisms for exciting semidiurnal thermospheric oscillations must be considered in any comprehensive modeling effort. An important feature to note is the variability of these contributions with latitude, season (see Table 1), and solar cycle (unpublished calculations) which greatly amplifies the sensitivity of the model to various parameterizations and renders interpretation of model simulations and measurements of semidiurnal thermospheric oscillations much less definitive.

In the present model the solar minimum (T_0 = 800 K) semidiurnal exospheric temperature oscillation due solely to (2, 2) forcing below 100 km is about 9 K at 0° latitude and 23 K at 42° latitude. Hough mode decomposition of the corresponding latitude structure of temperature at 400 K indicates about equal contributions of 15 K from the (2, 2) and (2, 4) modes; these tend to cancel at lov latitudes and add at middle latitudes to produce this type of latitude structure. As discussed in previous sections, this component of the (2, 4) mode structure in the thermosphere is significantly affected by mode coupling associated with mean winds and meridional temperature gradients in the mesosphere (see also Lindzen and Hong, 18 Walterscheid et al 19 , 20 , 21) and subsequent exponential growth above the mode coupling region. Uncertainties and variations in propagation characteristics of the mesosphere thus manifest themselves as uncertainties in upper level predictions of the model.

Hong and Lindzen²² reviewed a number of factors which have led to continual reductions in the estimated effects of the (2, 2) mode on the upper thermosphere since the early calculations of Lindzen¹³ [he predicted upper thermosphere semi-diurnal temperature oscillations at the equator (δT_{eq}) of the order of 190 K at SSMIN and 140 K at SSMAX]. These factors include (1) wind-induced mode coupling below 100 km (30 percent) reduction; (2) inclusion of more realistic (nearly isotropic) ion drag (30 percent reduction); (3) mode broadening in the thermosphere (30 percent reduction at the equator). The present model simulations

Table 1. Total Semidiurnal Variation of Exospheric Temperature at $42^{\rm O}$ Latitude Due to Various Sources (T $_{\rm O}$ = 1000 K)

	Equinox	×	Summer	Je	Winter	
Source	Amplitude	Phase	Amplitude	Phase	Amplitude	Phase
(1) Semidiurnal tides of lower atmosphere origin*	17	10.9	29	8.2	16	9.1
(2) Ion-neutral momentum coupling	11	2.7	8	3.6	9	2.8
(3) Ion-neutral momentum coupling plus EUV heating	25	6.2	13	6.2	14	5.3
Total (1)+(3)	16	7.4	40	7.4	24	6.9

 * The equinox breakdown in terms of Hough mode components $^{5}\mathrm{T}_{\mathrm{m},\,\mathrm{n}}$ where

$$\delta T = \sum_{n=2}^{6} \delta T_{m, n}(z) \Theta_{m, n}(\theta)$$

is as follows (amplitude/phase): $\delta T_{2,2} = 24.5/7.0$, $\delta T_{2,3} = \delta T_{2,5} = 0.0$, $\delta T_{2,4} = 15.3/11.0$, $\delta T_{2,6} = 10.8/12.4$.

were tarted utilizing various model parameterizations outlined by Hong and Lindzen, 22 which have subsequently been upgraded using recently developed ionospheric models, heating calculations, and other improvements. Effects of these improved parameterizations on calculation of the semidiurnal variation of exospheric temperature due solely to (2, 2) forcing below 100 km are summarized in Table 2. Initial calculations indicated temperature oscillation amplitudes at the equator and 400 km of 68.7 K and 26.2 K at SSMIN and SSMAX, respectively. Replacement of the molecular thermal and viscosity coefficients suggested by Forbes and Garrett 16 and MSIS temperatures of Hedin et al 31, 32 for those originally adopted by Hong and Lindzen²² resulted in a reduction of the temperature oscillation amplitudes to 44.6 K and 23.9 K, respectively. As discussed by Forbes and Garrett, 7 the ion drag model adopted by Hong and Lindzen²² can be considerably improved by utilizing available comprehensive empirical models of ionospheric parameters. As indicated in Table 2, consideration of the present ion drag model reduced the calculated temperature oscillation amplitudes at SSMIN and SSMAX to 26.1 K and 25.5 K, respectively, essentially eliminating the solar cycle variability originally modeled by Hong and Lindzen. 22 The effects of ion drag on the temperature variation are not simple to interpret, as one must consider modifications in the convergence of the horizontal wind field and how these are manifested in the adiabatic cooling. Finally, addition of mean winds as parameterized in the present model reduces the (2, 2) mode contribution in the thermosphere from roughly 28 K to 13 K, while the equatorial temperature amplitude is reduced from 27 K to 9 K. This large reduction in the equatorial temperature amplitude is mainly due to excitation of the (2,4) mode in the mesosphere which penetrates into the upper thermosphere and adds vectorially so as to enhance (cancel) the (2, 2) mode contribution at middle (low) latitudes above

In a previous study utilizing a simplified binary gas model, Forbes and $\rm Hagen^{55}$ demonstrated that the vertical structures of atmospheric tides propagating into the thermosphere were measurably modified by the mutual diffusion between O and $\rm N_2$ between 100 and 200 km. For instance, at the peak of the (2, 2) mode temperature oscillation that occurred at about 160 km, a reduction in amplitude by about 25 percent was calculated; however, the amplitudes above 220 km were relatively unaffected. Thus, the peak was removed from the vertical structure, resulting in an exponential increase to about 160 km, and rapidly asymptotically approaching a constant value above that height. The shorter-wavelength modes (2, 4) and (2, 5) are affected to a lesser degree since they reach their peak amplitudes at heights (115-125 km) below the level where the O and $\rm N_2$ concentrations

^{55.} Forbes, J.M., and Hagan, M.E. (1980) Tidal dynamics and composition variations in the thermosphere, J. Geophys. Res. 85:3401-3406.

Table 2. Semidiurnal Variation of Exospheric Temperature Due to (2, 2) Forcing Below 100 km

	Tota	l equator	Total equatorial variation		(2,	2) mode o	(2, 2) mode contribution	
Choice of	SSMIN (T _o = 800 K)	K)	$SSMAX (T_o = 1400 \text{ K})$	0 K)	SSMIN (T _o = 800 K)) K)	SSMAX (T _O = 1400 K)	0 K)
Parameterization	Amplitude	Phase	Amplitude	Phase	Amplitude	Phase	Amplitude	Phase
K _{OO} 0.0158T ^{1/2} /M, TEMP, IONOS, and HEAT as in Hong and Lindzen ²² ; no mean winds.	6.8, 7	6.8	26.2	5.9	69.1	6.9	28.0	6.1
add $K_{oo} = 0.015 T^{2/3}/\mathrm{M}$ and MSIS TEMP	44.6		23.9	6.1	45.0	7.5	25.8	6.3
add new IONOS	26.1	7.7	25.5	6.1	26.1	7.7	26.8	6.3
add new HEAT	26.5	7. 6	25.4	6.0	27.8	7.8	26.7	6.2
add mean winds below 100 km	9.0	9 . 6	9.1	5,8	15.0	7.7	14.5	6.2
add mean winds above 100 km	9.2	6.7	7.8	5.8	12.8	8.0	11.9	9.9

become comparable (about 180 km). The effects of $O-N_2$ diffusion have not been considered in the present set of numerical simulations due to computer limitations. Thus errors on the order of 25 percent in amplitude and 1-2 h in phase can be expected in the tidal fields between 130 and 180 km, associated with upward propagating tides of lower atmosphere origin. However, these errors do not translate into the total semidiurnal variation in this height range and above, due to the relative importance in in-situ excited tidal oscillations which are affected to a lesser degree by $O-N_2$ diffusion.

7. CONCLUDING REMARKS

The equations and boundary conditions governing tidal oscillations in a viscous, rotating, spherical atmosphere from the surface to 400 km have been formulated and documented, including model parameterizations of background winds, temperature, composition, hydromagnetic coupling, Newtonian cooling, eddy and molecular diffusion, and tidal forcing mechanisms. Excitation of tidal oscillations occurs by absorption of EUV and UV radiation in the thermosphere, $\rm H_2O$ insolation absorption in the troposphere and lower stratosphere, $\rm O_3$ insolation absorption in the mesosphere, ion-neutral momentum coupling in the F region, and lunar gravitational forcing.

Calculated westerly, northerly, and vertical velocities, and calculated temperature for the solar diurnal tide from the surface to 400 km are presented. Considering the day-to-day variations which are clearly evident in the data, observations of tides by various rocket and radar techniques agree well with the "mean tidal structures" represented by the model. The greatest inconsistencies occur in the 80-100 km height region where the diurnal propagating tide and the in-situ trapped tide are of comparable importance at midlatitudes. Also, it appears that significant differences exist between the various observations in this region. Such discrepancies, which intuitively would seem to be due primarily to the propagating tidal component, can be attributed to a number of factors:

(1) Variations in mesospheric and lower thermospheric turbulence. However, the physics of mutual coupling between the (1, 1) mode and turbulence is uncertain. For instance, turbulence could be generated by unstable "breaking" of the wave (Lindzen 44), or by a cascade of energy from a stable tidal wave to smaller scale waves which eventually become unstable. Indeed, if eddy diffusion coefficients of order 10 6 cm²/sec already exist between 80 and 100 km (perhaps due to gravity waves), then mesospheric turbulence might only serve as a passive damping mechanism for the diurnal tide. At any rate, the present study demonstrates the sensitivity of the (1, 1) mode to mesospheric and lower thermospheric turbulence, thus suggesting one possible cause of its variability.

- (2) Longitudinal variations in the tides and other atmospheric properties.
- (3) Mode "distortion" induced by background mean winds. Although the diurnal propagating tide should be relatively insensitive to mean winds at low latitudes due to the relatively high phase speed of the wave, some observable effects might occur poleward of 20° latitude. For instance, using an analytic method to approximate the propagation of equatorial planetary waves in a shear flow. Lindzen⁵⁶ shows than an easterly (westerly) wind of 30 m/sec can decrease (increase) the vertical wavelength of the (1, 1) mode by approximately 3.5 (3.5) km, suggesting corresponding variations in phase in the mesosphere of up to 6 h assuming a tropospheric source for the tide. In addition, changes in meridional scale are estimated to approach ±8 percent, which can be important at nodal crossings or extrema of tidal structures. Due to the slow convergence of the diurnal expansion functions, such features would probably be better described in terms of a "distorted" (1.1) mode rather than in terms of (1.2), (1.3), and other possible modes (Lindzen⁵⁶). Although the distorting effects of mean winds and meridional temperature gradients are very likely less than the upper limit estimates given above, further theoretical and observational research aimed at this problem are warranted. In the current model, these effects have been neglected due to the convergence difficulties in the spherical viscid model for the shortscale diurnal tides.
- (4) Comparisons of data sets taken during non-overlapping time periods. Some insight into possible variations induced in the total diurnal tidal structures in the mesosphere and lower thermosphere due to a 6-hour phase shift in the (1, 1) component are illustrated in Figure 18. At midlatitudes between 80 and 100 km the (1, -2) and (1, 1) modes can add vectorially to produce a variety of amplitude structures, strikingly similar to the partial reflection observations reported by Vincent and Stubbs ⁵⁷ over the same height region at Adelaide (35° S) for a 7-day period during June 1973. Similar variations in structure can occur between 120 and 180 km over Arecibo, where the (1, 1) and in-situ excited components are comparable.

A much better understanding of the physics and morphology of the diurnal tide in the mesosphere and lower thermosphere, specifically items (1)-(4) above, requires coordinated simultaneous observational campaigns involving the various radar techniques for probing this region of the atmosphere. In fact, the IAGA/URSI Cooperative Tidal Observation Program (CTOP) has already been

Lindzen, R.S. (1972) Equatorial planetary waves in shear: Part II.
 J. Atmos. Sci. 29:1452-1463.

Vincent, R.A., and Stubbs, T.J. (1977) A study of motions in the winter mesosphere using the partial reflection drift technique, Planet. Space Sci. 25:441-455.

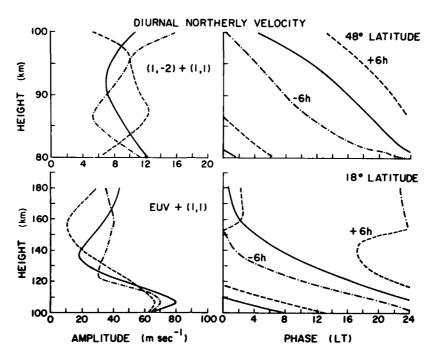


Figure 18. Calculated Total Diurnal Northerly Velocities at 48° Latitude Between 80 and 100 km, and at 18° Latitude Between 10°0 and 180 km, With the Phase of the (1, 1) Propagating Mode Shifted by +6 Hours and -6 Hours to Illustrate Possible Effects of the Variability of This Mode

implemented, and results for two CTOP periods have been summarized by Roper and Salah. ⁵⁸ Hopefully these and other coordinated efforts during the forthcoming 1982-1985 Middle Atmosphere Program (MAP) period will offer answers to some of these questions.

Solar and lunar semidiurnal wind and temperature oscillations from the surface to 400 km have also been simulated for average solar activity conditions utilizing the numerical tidal model. Explicit vertical structures of westerly, northerly, and vertical winds and of temperature are presented at 0, 18, 42, and 60° latitude for equinox and solstice conditions in Appendix A, along with tabulations for every 6° latitude in Appendix B. In this report the penetration of semi-diurnal tides of lower atmosphere origin into the thermosphere is examined in detail. The calculated results are interpreted in part by Hough mode decomposition of the numerical simulations. Amplitudes of the (2,4) and (2,5) modes above

^{58.} Roper, R.G., and Salah, J.E. (1978) Preliminary results from the URSI/
IAGA cooperative tidal observations program (CTOP), J. Atmos. Terr.
Phys. 40:879-885.

100 km are found to be significantly affected by mesospheric eddy diffusion coefficients in excess of $2\times10^6~{\rm cm}^2/{\rm sec}$. The total solar semidiurnal exospheric temperature oscillation for average solar conditions ranges from about 10-20 K poleward of 40^9 N to about 40-60 K equatorward at 30^9 N, and has its crigin in three sources of excitation, all of comparable importance: (1) EUV solar radiation absorption in the lower thermosphere (100-200 km); (2) in-situ momentum coupling due to the interaction of diurnal winds and diurnally-varying ion drag; and (3) tides propagating upwards from below 100 km. The effects of O-N₂ diffusion, which have been omitted due to computer limitations, are not expected to appreciably modify these results except perhaps in the 120-160 km region where errors of order 25 percent in amplitude and 1-2 h in phase might apply. In addition, lunar temperature and wind amplitudes are sufficiently large relative to the solar component (up to 20 percent in the lower and upper thermosphere) to account for some of the observed variability previously attributed to the solar tide.

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Appendix A

Graphs Showing Vertical Structures of Atmospheric Tidal Components

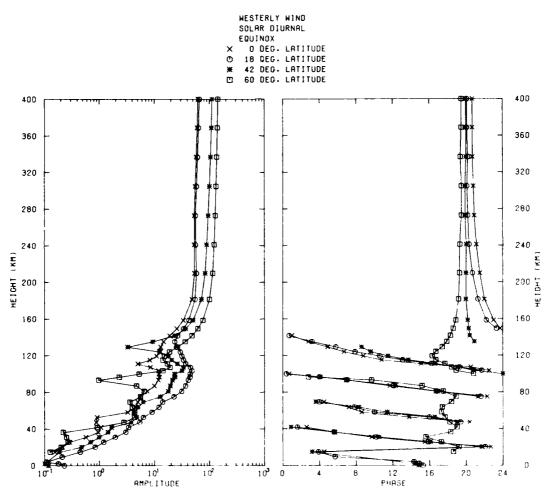


Figure A1. Solar Diurnal Component at Equinox of the Amplitude (left) and Phase (right) of Westerly Winds vs Altitude

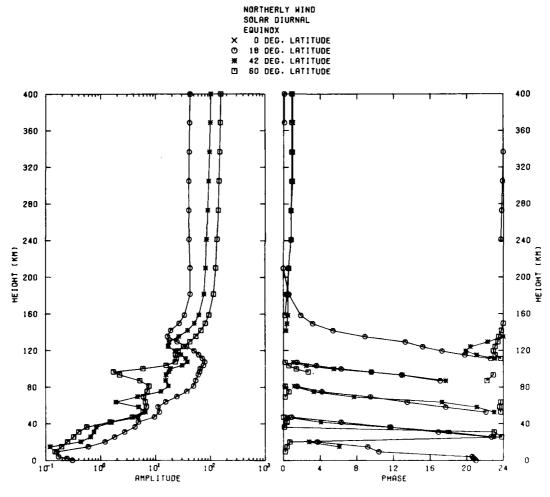


Figure A2. Solar Diurnal Component at Equinox of the Amplitude (left) and Phase (right) of Northerly Winds vs Altitude

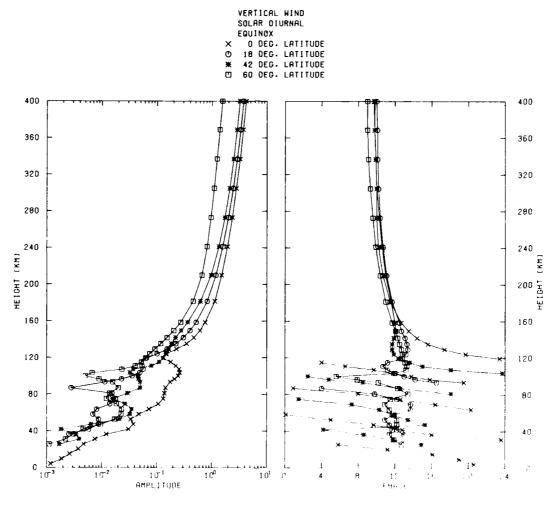
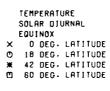


Figure A3. Solar Diurnal Component at Equinox of the Amplitude (left) and Phase (right) of Vertical Winds vs Altitude



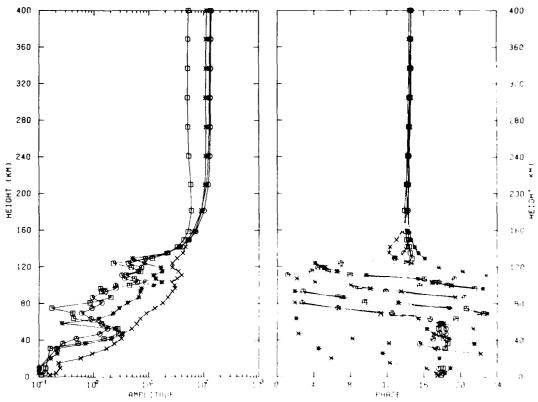
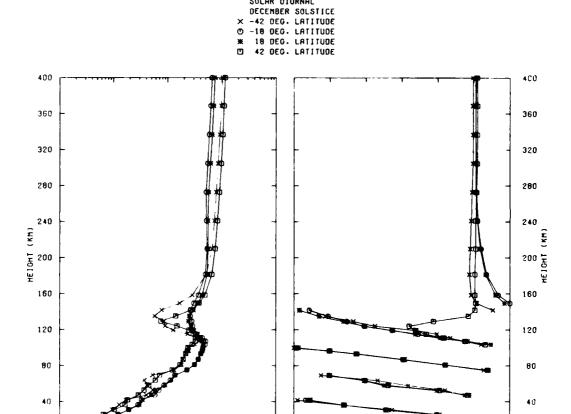


Figure A4. Solar Diurnal Component at Equinox of the Amplitude (left) and Phase (right) of Temperature Oscillations vs Altitude



WESTERLY WIND SOLAR DIURNAL

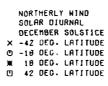
Figure A5. Solar Diurnal Component at December Solstice of the Amplitude (left) and Phase (right) of Westerly Winds vs Altitude

0

12 PHASE

101 AMPLITUDE

10



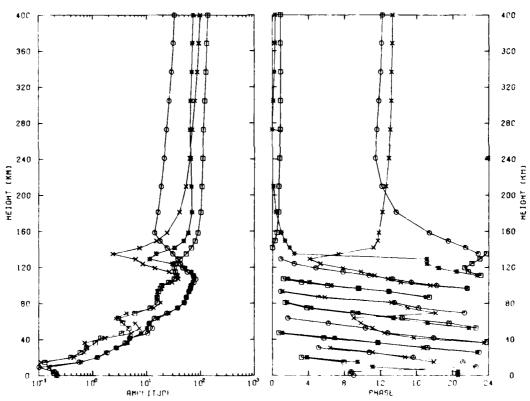
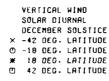


Figure A6. Solar Diurnal Component at December Solstice of the Amplitude (left) and Phase (right) of Northerly Winds vs Altitude



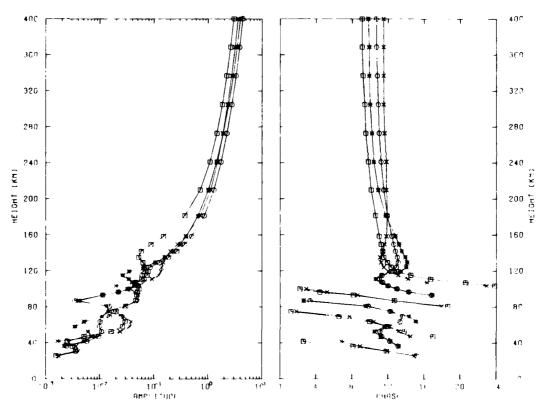
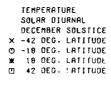


Figure A7. Solar Diurnal Component at December Solstice of the Amplitude (left) and Phase (right) of Vertical Winds vs Altitude



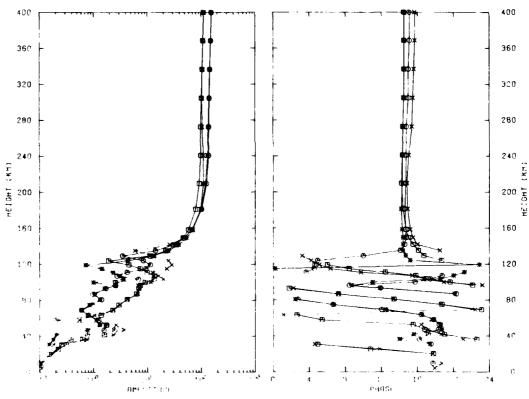


Figure A8. Solar Diurnal Component at December Solstice of the Amplitude (left) and Phase (right) of Temperature Oscillations vs Altitude

WESTERLY WIND
SOLAR SEMI-DIURNAL
EQUINOX
O DEG. LATITUDE
O 18 DEG. LATITUDE
42 DEG. LATITUDE
D 60 DEG. LATITUDE

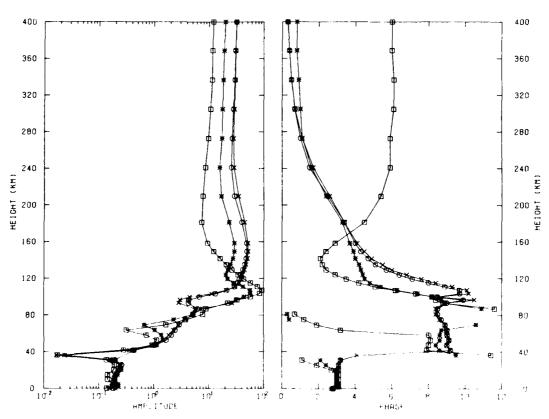


Figure A9. Solar Semidiurnal Component at Equinox of the Amplitude (left) and Phase (right) of Westerly Winds vs Altitude

NORTHERLY WIND
SOLAR SEMI-DIURNAL
EQUINOX

X 0 DEG. LATITUDE
0 18 DEG. LATITUDE
42 DEG. LATITUDE
0 60 DEG. LATITUDE

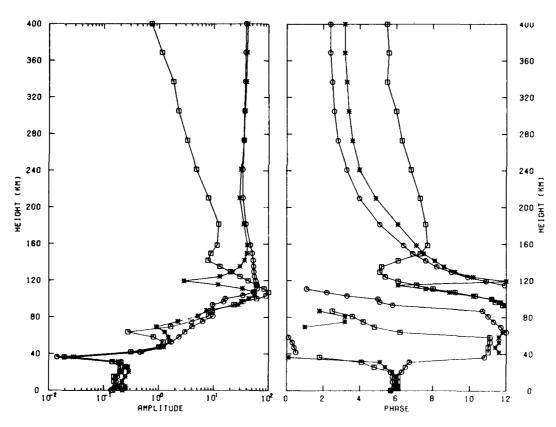


Figure A10. Solar Semidiurnal Component at Equinox of the Amplitude (left) and Phase (right) of Northerly Winds vs Altitude

VERTICAL MIND
SOLAR SEMI-DIURNAL
EQUINOX
O DEG. LATITUDE
0 18 DEG. LATITUDE
42 DEG. LATITUDE
0 60 DEG. LATITUDE

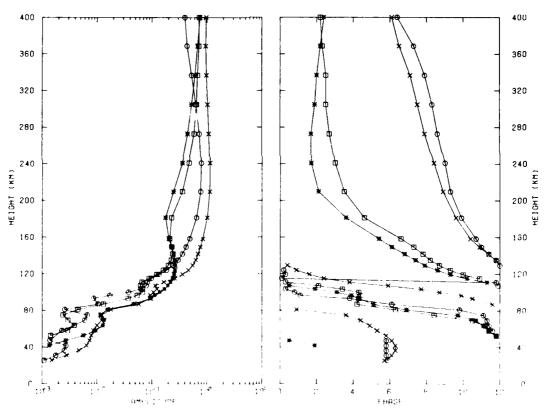


Figure A11. Solar Semidiurnal Component at Equinox of the Amplitude (left) and Phase (right) of Vertical Winds vs Altitude

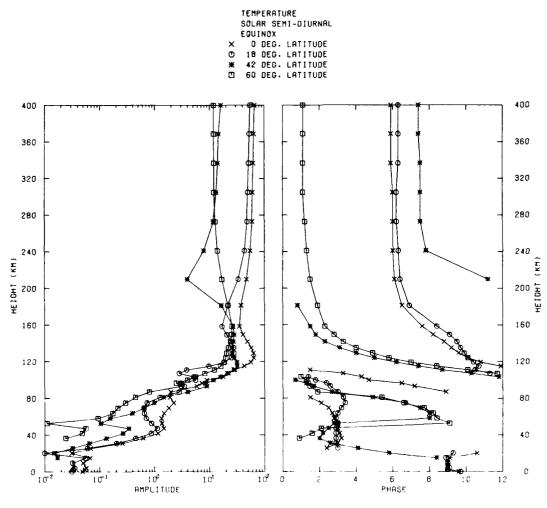


Figure A12. Solar Semidiurnal Component at Equinox of the Amplitude (left) and Phase (right) of Temperature Oscillations vs Altitude ${\bf P}$

WESTERLY MINO
SOLAR SEMI-DIURNAL
DECEMBER SOLSTICE
X -42 DEG. LATITUDE
Ø 18 DEG. LATITUDE
Ø 18 DEG. LATITUDE

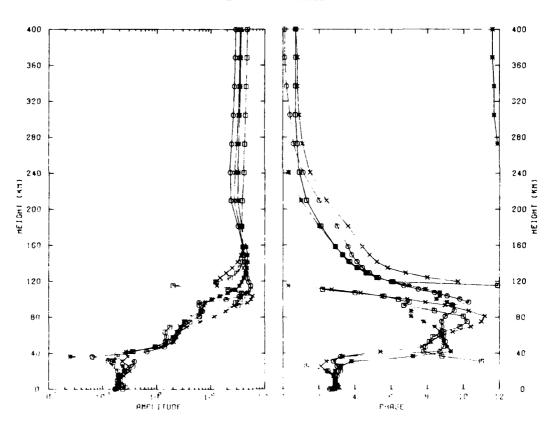


Figure A13. Solar Semidiurnal Component at December Solstice of the Amplitude (left) and Phase (right) of Westerly Winds vs Altitude ${\bf P}$

NORTHERLY HIND
SOLAR SEMI-DIURNAL
DECEMBER SOLSTICE
X -42 DEG. LATITUDE
0-18 DEG. LATITUDE
18 DEG. LATITUDE
20 42 DEG. LATITUDE

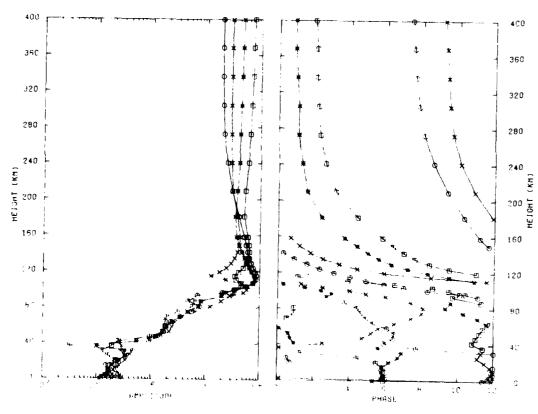


Figure A14. Solar Semidiurnal Component at December Solstice of the Amplitude (left) and Phase (right) of Northerly Winds vs Altitude



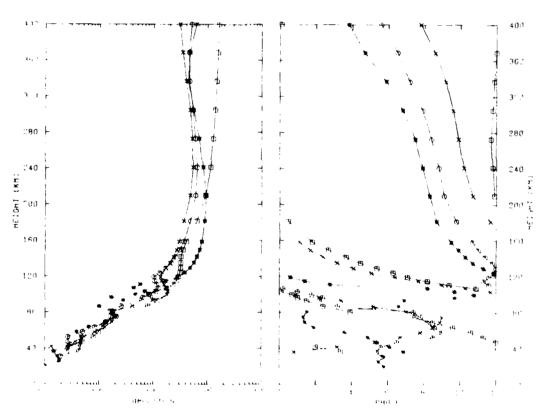


Figure A15. Solar Semidiurnal Component at December Solstice of the Amplitude (left) and Phase (right) of Vertical Winds vs Altitude

TEMPERATURE
SOLAR SEMI-DIURNAL
DECEMBER SOLSTICE
X -42 DEG. LATITUDE
0 -18 DEG. LATITUDE
18 DEG. LATITUDE
142 DEG. LATITUDE

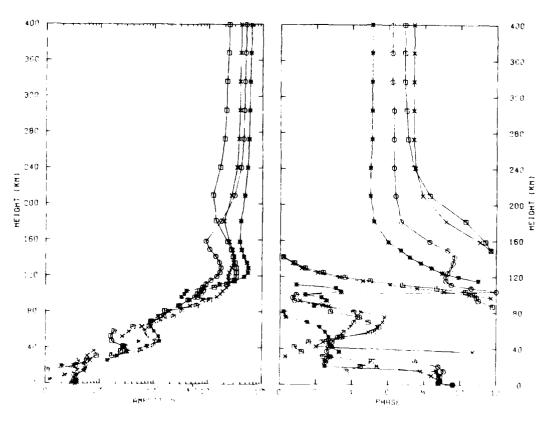


Figure A16. Solar Semidiurnal Component at December Solstice of the Amplitude (left) and Phase (right) of Temperature Oscillations vs Altitude

WESTERLY MIND
LUNAR SEMI-DJURNAL
EQUINOX
O DEG. LATITUDE
O 18 DEG. LATITUDE
42 DEG. LATITUDE
D 60 DEG. LATITUDE

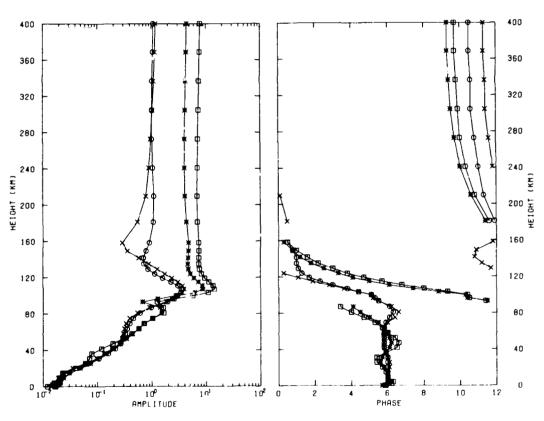


Figure A17. Lunar Semidiurnal Component at Equinox of the Amplitude (left) and Phase (right) of Westerly Winds vs Altitude

NORTHERLY MIND
LUNAR SEMI-DIURNAL
EQUINOX
C O DEG. LATITUDE
D 18 DEG. LATITUDE
42 DEG. LATITUDE
60 DEG. LATITUDE

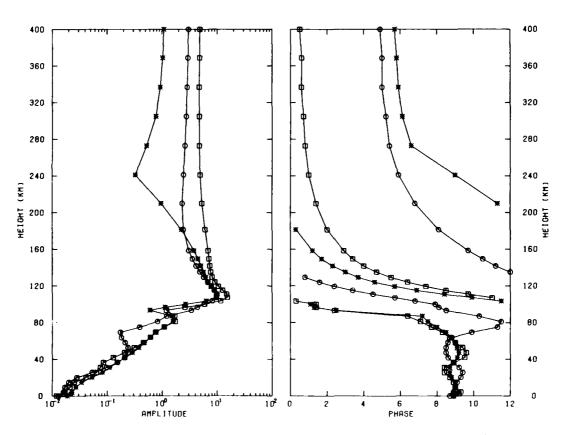


Figure A18. Lunar Semidiurnal Component at Equinox of the Amplitude (left) and Phase (right) of Northerly Winds vs Altitude

VERTICAL MIND
LUNAR SEMI-DIURNAL
EQUINOX
C O DEG. LATITUDE
D 18 DEG. LATITUDE
M 42 DEG. LATITUDE
D 60 DEG. LATITUDE

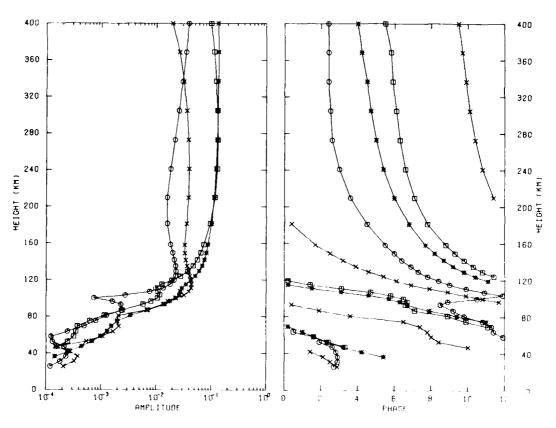


Figure A19. Lunar Semidiurnal Component at Equinox of the Amplitude (left) and Phase (right) of Vertical Winds vs Altitude

TEMPERATURE
LUNAR SEMI-DIURNAL
EQUINOX
O DEG. LATITUDE
0 18 DEG. LATITUDE
42 DEG. LATITUDE
D 60 DEG. LATITUDE

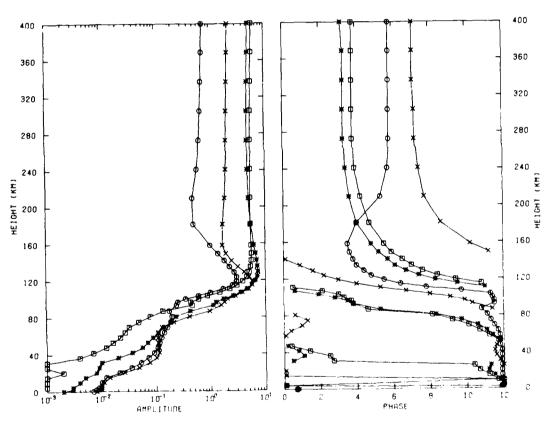


Figure A20. Lunar Semidiurnal Component at Equinox of the Amplitude (left) and Phase (right) of Temperature Oscillations vs Altitude

HESTERLY HIND
LUNAR SEMI-DJURNAL
DECEMBER SOLSTICE
-42 DEG. LATIJUDE
-18 DEG. LATIJUDE
18 DEG. LATIJUDE
42 DEG. LATIJUDE

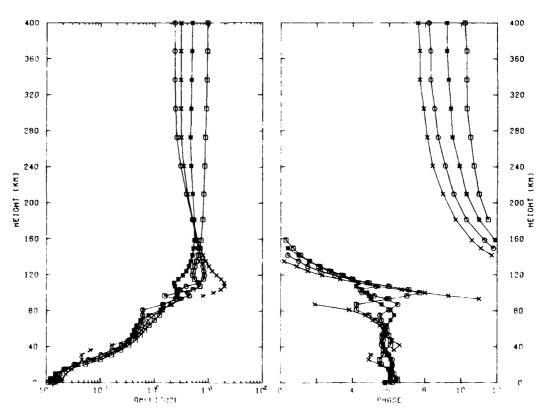


Figure A21. Lunar Semidiurnal Component at December Solstice of the Amplitude (left) and Phase (right) of Westerly Winds vs Altitude

VERTICAL HIND
LUNAR SEMI-DIURNAL
DECEMBER SOLSTICE
X -42 DCC. LATITUDE
0 -18 DEG. LATITUDE
18 DCC. LATITUDE
42 DEG. LATITUDE

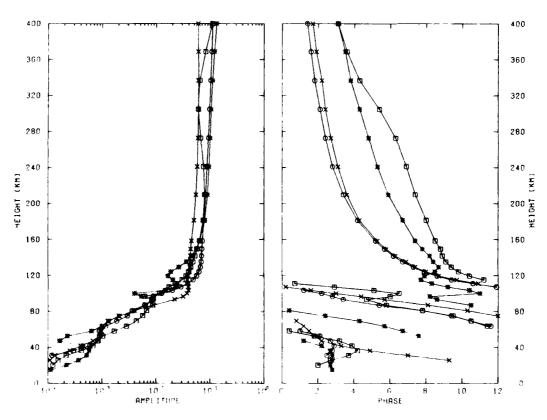


Figure A22. Lunar Semidiurnal Component at December Solstice of the Amplitude (left) and Phase (right) of Northerly Winds vs Altitude

NORTHERLY HIND
LUNAR SEMI-DIURNAL
DECEMBER SOLSTICE
X -42 DEC. LATITUDE
Ø -18 DEG. LATITUDE
Ø 18 DEG. LATITUDE
Ø 42 DEG. LATITUDE

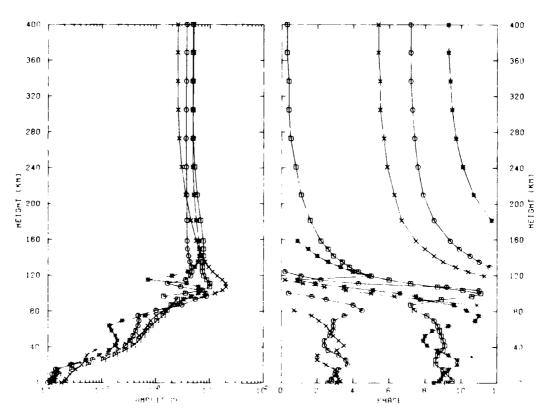


Figure A23. Lunar Semidiurnal Component at December Solstice of the Amplitude (left) and Phase (right) of Vertical Winds vs Altitude



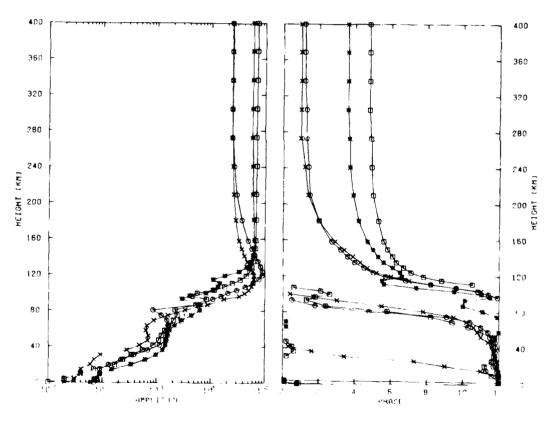


Figure A24. Lunar Semidiurnal Component at December Solstice of the Amplitude (left) and Phase (right) of Temperature Oscillations vs Altitude

Appendix B

Tables of Solar Diurnal, Solar Semidiurnal, and Lunar Semidiurnal Components

Table B1. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\rm O}$ N in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km at the Equinoxes

Z =	0.000	KM							
LAT=	0.0	U=	.059 / 15.9	V =	0.000 / 12.0	₩=	.000510 / 21.3	1=	.099 / 18.8
LAT=	6.0	U=	.090 / 15.7	V⇒	.158 / 21.1	W=	.000433 / 21.3	T =	.092 / 18.9
	12.0	U=	.159 / 15.4	V =	.267 / 21.0	W=	.000244 / 21.3	T =	.072 / 19.3
	18.0	U=	.229 / 15.3	V =	.305 / 21.0	w =	.000034 / 21.3	T≖	.053 / 20.3
	24.0	U=	.258 / 15.2	V =	.272 / 20.9	W=	.000117 / 9.4	T =	.046 / 21.2
	30.0	U=	.238 / 15.1	V =	.209 / 20.8	W=	.000176 / 9.4	Ť=	.048 / 21.6
	36.0	U=	.188 / 15.0	V =	.134 / 20.4	W =	.000167 / 9.4	T=	.056 / 21.5
	42.0	U= U=	.118 / 14.8	V = V =	.070 / 19.3 .040 / 16.5	W =	.000127 / 9.4 .000080 / 9.4	T=	.065 / 21.0 .072 / 20.8
	48.0 54.0	U=	.026 / 10.9	V = V =	.045 / 13.7	W =	.000043 / 9.4	T=	.077 / 20.6
	60.0	U=	.036 / 7.1	V =	.056 / 12.8	W=	.000023 / 9.4	T=	.077 / 20.5
	66.0	U=	.050 / 6.7	V =	.062 / 12.8	W=	.000011 / 9.4	T=	.071 / 20.4
	72.0	U=	.057 / 7.4	V =	.062 / 13.2	w=	.000005 / 9.4	T=	.059 / 20.4
	78.0	Ü≠	.063 / 8.6	V =	.063 / 14.0	W=	.000002 / 9.4	T=	.044 / 20.3
•	, , , ,		,		- ,		,		,
Z =	2.078	KM							
	۰.	บ=	054 / 15 2	W-	0.000 / +0.0	N.1	000660 / 21 0	T =	160 / 17 5
	0. 0 6.0	u= u=	.054 / 15.2 .077 / 15.1	V = V =	0.000 / 12.0	W=	.000669 / 21.0 .000566 / 20.9	T=	.160 / 17.5
	12.0	U=	.128 / 15.0	V=	.212 / 20.8	W =	.000318 / 20.7	T=	.114 / 17.6
	18.0	U=	.178 / 14.9	V =	.243 / 20.8	W=	.000060 / 17.0	T=	.080 / 17.8
	24.0	U=	.198 / 14.9	V =	.219 / 20.8	₩±	.000199 / 10.4	T=	.059 / 18.1
	30.0	Ü=	.184 / 14.8	V =	.169 / 20.7	W=	.000294 / 10.1	T=	.057 / 18.2
	36.0	Ü=	.150 / 14.7	V =	.110 / 20.4	W=	.000300 / 10.2	T =	.069 / 18.2
	.2.0	U=	.101 / 14.4	V =	.060 / 19.6	W=	.000257 / 10.4	T =	.088 / 18.1
AT=	48.0	U=	.060 / 13.7	V =	.031 / 17.4	W =	.000200 / 10.8	T=	.103 / 18.0
	54.0	U=	.033 / 11.9	V =	.031 / 14.1	W=	.000150 / 11.3	T=	.111 / 18.0
	60.0	U=	.031 / 8.9	V =	.040 / 12.9	W=	.000117 / 12.0	T=	.111 / 17.9
	66.0	U=	.042 / 7.4	V =	.049 / 12.6	W =	.000093 / 12.8	T =	.103 / 17.8
	72.0	U=	.053 / 6.9	ν =	.056 / 12.6	W =	.000078 / 14.0	T =	.086 / 17.8
AT=	78.0	U≃	.062 / 6.7	V =	.062 / 12.6	W=	.000070 / 15.5	T=	.063 / 17.7
:=	4.161	KM							
A T =	0.0	11-	024 / 13 8	V	0.000 / 10.0	tal c	00+199 / 20 6	+-	.207 / 17.4
	0.0	ປະ U=	.034 / 13.8	V =	0.000 / 12.0	W =	.001189 / 20.6 .001001 / 20.5	†* †=	.189 / 17.4
	6.0 12.0	U=	.081 / 14.2	V = V =	.088 / 20.5 .149 / 20.6	W=	.000552 / 20.2	T=	.144 / 17.5
	18.0	U=	.109 / 14.3	V =	.170 / 20.6	w÷ W=	.000109 / 15.8	†≖	.096 / 17.9
	24.0	U=	.118 / 14.3	V =	.153 / 20.7	W=	.000383 / 10.1	T=	.067 / 18.3
	30.0	U=	.106 / 14.3	V =	.120 / 20.8	W=	.000548 / 9.8	T=	.064 / 18.5
	36.0	U=	.084 / 14.4	V=	.086 / 21.1	W =	.000552 / 9.9	T =	.078 / 18.5
	42.0	U=	.058 / 14.6	V =	.059 / 21.7	w =	.000478 / 10.1	T =	.100 / 18.3
	48.0	U =	.039 / 15.3	V =	.044 / 22.6	W =	.000381 / 10.5	Ťæ	.118 / 18.2
AT=	54.0	U =	.032 / 16.5	V =	.040 / 23.6	w=	.000296 / 11.1	T =	.129 / 18.0
AT=	GO.0	U=	.031 / 17.5	V =	.040 / .3	₩ =	.000240 / 11.6	Ť=	.130 / 18.0
	66.0	U≠	.034 / 18.2	V =	.043 / .7	W≈	.000195 / 12.2	T =	.121 / 18.0
	72.0	U=	.0.10 / 18.9	V =	.048 / .9	M=	.000157 / 12.8	T=	.101 / 18.0
ΛT=	78.0	U =	.047 / 19.3	V =	.052 / 1.3	W =	.000119 / 13.8	T=	.072 / 17.9

Table B1. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\rm O}{\rm N}$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 9	.525	ΚM									
LAT=	0.0	U=	.081	/ 6.0	V =	0.000 /	12.0	W=	.001881 / 19.0	Ť=	.245 / 16.3
LAT=		Ŭ=	.105	-, -	V =	.088 /		w=	.001586 / 18.9	Ť=	.220 / 16.4
LAT= 1		Ū=	.160		v=	.145 /		W=	.000885 / 18.4	Τ=	.161 / 16.7
LAT= 1		Ú=	.209		V =	,158 /		W =	.000278 / 14.1	T=	.101 / 17.6
LAT= 2	4.0	U=	.220	/ 5.6	V =	.127 /	10.2	W=	.000641 / 9.5	T =	.071 / 19.2
LAT= 3	0.0	U=	.190	/ 5.5	V =	.078 /	9.4	w=	.000882 / 9.1	T≠	.071 / 19.9
LAT= 3	6.0	U=	. 135	/ 5.4	V =	.038 /		W =	.000890 / 9.3	T =	.083 / 19.5
LAT= 4		U =	.065		V ≃	.055 /		₩≈	.000784 / 9.7	T =	.103 / 18.9
LAT= 4		U≃		/ 23.4	V =	.092 /		W=	.000663 / 10.3	T=	.120 / 18.4
LAT= 5		U =		/ 18.4	V =	.124 /		W=	.000571 / 11.0	T =	.132 / 18.2
LAT= 6		U=		/ 18.1	V =	.148 /		W=	.000501 / 11.4	T =	.133 / 18.1
LAT= 6		U=		/ 18.1	V =	.168 /		W=	.000431 / 11.8	7=	.123 / 18.0
LAT= 7		U=		/ 18.1	V =	.183 /		₩≃	.000349 / 12.1	T=	.102 / 17.9
LAT= 7	8.0	U=	.178	/ 18.3	V =	.195 /	. 3	W =	.000248 / 12.4	Ť=	.074 / 17.8
Z= 14	.879	KM									
LAT=	0 0	U=	. 154	/ 4.5	V =	0.000 /	12 0	W≖	.002632 / 16.1	T=	.228 / 12.3
LAT=		U=	.207		V =	.316 /		W=	.002259 / 16.0	T=	.194 / 12.4
LAT= 1		U≖	. 331		V =	.530 /		W=	.001364 / 15.6	T=	.110 / 12.6
LAT= 1		U=	.445		V =	.592 /		w=	.000472 / 13.3	T=	.022 / 15.0
LAT= 2		Ü=	.476		V =	.517 /		W=	.000575 / 7.5	T =	.054 / 23.0
LAT= 3		U=	.420		V =	.379 /		W=	.000818 / 6.8	Τ=	.080 / 23.3
LAT= 3		Ū=	.317		V=	.232 /		W=	.000798 / 7.2	T=	.076 / 23.2
LAT= 4	2.0	U =	.185	/ 3.2	V =	.120 /	6.1	W =	.000680 / 8.3	T =	.059 / 22.9
LAT= 4	8.0	U≃	.080	/ 1.4	V =	.110 /	2.5	W=	.000607 / 9.7	T =	.041 / 22.2
LAT= 5	4.0	U =	.073	/ 20.3	٧ =	.153 /	. 9	W =	.000603 / 10.8	T≠	.027 / 21.1
LAT= 6	0.0	U=		/ 18.6	V =	.195 /		W=	.000592 / 11.4	Ť=	.022 / 19.9
LAT= 6	6.0	U=		/ 18.2	V =	.227 /		W =	.000547 / 11.7	T =	.019 / 19.1
LAT= 7		U=		/ 18.1	V =	.251 /		W =	.000460 / 11.9	T≖	.015 / 18.5
LAT= 7	8.0	U=	.245	/ 18.1	V =	.269 /	. 2	W=	.000332 / 12.0	T =	.011 / 18.2
Z= 20	.239	KM									
LAT=	0 0	U=	.212	/ 22.7	V≃	0.000 /	12.0	W =	.003787 / 11.2	T=	.579 / 5.9
LAT=		U=		/ 22.4	V =	.623 /		w=	.003276 / 11.3	T=	.490 / 5.9
LAT= 1		Ū=		/ 22.2	V =	1.054 /		w.≂	.002031 / 11.3	T =	.273 / 5.9
LAT= 1		U=		/ 22.1	V =	1.204 /		W =	.000662 / 11.8	T =	.031 / 6.5
LAT= 2		Ū=		/ 22.0	V =	1.100 /		₩=	.000334 / 21.7	T =	.145 / 17.7
LAT= 3		U=	.843	/ 22.0	V≠	.878 /	3.5	W=	.000659 / 22.3	T =	.214 / 17.7
LAT= 3		U =	.684	/ 21.9	V =	.638 /		W=	.000536 / 22.0	T =	.205 / 17.7
LAT= 4	2.0	U =	.473	/ 21.7	V =	.434 /		W =	.000249 / 20.3	Ť =	.163 / 17.7
LAT= 4		U=		/ 21.1	V =	.311 /		W≈	.000241 / 14.3	T =	.112 / 17.6
LAT= 5	4.0	U=		/ 20.2	V =	.259 /		W =	.000464 / 12.6	T =	.072 / 17.4
LAT= 6		U=		/ 19.2	V =	.249 /		W =	.000561 / 12.3	T =	.052 / 17.3
LAT= 6		U =		/ 18.6	V =	.258 /		W =	.000570 / 12.2	T=	.038 / 17.2
LAT= 7		υ= υ=		/ 18.2 / 18.1	V = V =	.274 / .290 /	. 2 . 2	W = W =	.000504 / 12.1	T≖ 1 -	.027 / 17.0 .018 / 17.0

Table B1. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\rm O}$ N in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

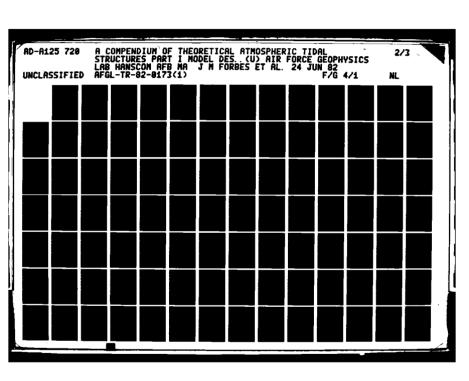
Z= 25.607	кM							
LAT= 0.0	U=	.287 / 15.5	V =	0.000 / 12.0	W =	.004708 / 5.8	T =	.941 / 22.2
LAT= 6.0	U=	.451 / 15.7	V =	.924 / 22.7	M =	.003993 / 5.9	Ť=	.800 / 22.2
LAT= 12.0	U=	.835 / 15.8	V =	1.565 / 22.7	W=	.002268 / 6.4	T =	.458 / 22.1
LAT= 18.0	U=	1.193 / 15.9	V =	1.792 / 22.7	W =	.000701 / 10.2	T=	.081 / 20.8
LAT= 24.0	U=	1.326 / 15.9	V =	1.641 / 22.7	W=	.001434 / 15.2	T=	.202 / 11.1
LAT= 30.0	U=	1.216 / 15.9	V =	1.316 / 22.8	W=	.001974 / 15.6	T≖	.306 / 10.9
LAT= 36.0	U=	.988 / 16.0	V =	.963 / 22.9	W =	.001958 / 15.4	T=	.288 / 11.0
LAT= 42.0	U=	.689 / 16.1	V =	.658 / 23.0	W=	001702 / 14.9	T=	.215 / 11.5
LAT= 48.0	U=	.459 / 16.3	V =	.461 / 23.3	W=	.001428 / 14.0	T=	.137 / 12.3
LAT= 54.0	U=	.328 / 16.8	V =	.360 / 23.5	W =	.001250 / 13.2	T≖	.087 / 14.0
LAT= 60.0	U=	.266 / 17.3	٧×	.322 / 23.8	W =	.001117 / 12.7	T=	.078 / 15.9
LAT= 66.0	U≃	.261 / 17.7	V =	.319 / 24.0	W=	.000977 / 12.3	T=	.075 / 16.9
LAT= 72.0	U=	.289 / 17.9	V=	.333 / 0.0	M=	.000807 / 12.2	Ť=	.063 / 17.4
LAT= 78.0	U=	.319 / 18.0	۷≠	.351 / .1	W=	.000575 / 12.1	T=	.048 / 17.5
Z= 30.985	KM							
LAT= 0.0	U=	.566 / 9.7	V =	0.000 / 12.0	W=	.007575 / 23.6	T=	1.707 / 17.2
LAT= 6.0	U=	.815 / 9.9	V=	1.433 / 16.8	W=	.006254 / 23.6	†=	1.463 / 17.2
LAT= 12.0	U=	1.395 / 10.1	V =	2.413 / 16.9	W=	.003022 / 23.5	T =	.867 / 17.2
LAT= 18.0	Ū=	1.931 / 10.2	V =	2.734 / 16.9	w=	.000630 / 12.3	T=	.209 / 17.5
LAT= 24.0	Ü=	2.112 / 10.3	v=	2.451 / 17.0	W=	.003315 / 11.8	T=	.260 / 4.8
LAT= 30.0	ŭ=	1.904 / 10.3	V=	1.889 / 17.1	W=	.004459 / 11.8	T=	.428 / 4.9
LAT= 36.0	Ü=	1.503 / 10.4	٧=	1.279 / 17.4	W=	.004471 / 11.8	Ť=	.375 / 4.9
LAT= 42.0	Ū=	.982 / 10.5	V=	.75\$ / 18.0	w=	.003940 / 11.8	T=	.222 / 4.5
LAT= 48.0	Ü=	.556 / 11.1	V =	.445 / 19.5	W=	.003246 / 11.8	T=	.067 / 2.6
LAT= 54.0	Ū≖	.296 / 12.9	v =	.360 / 21.6	W=	.002649 / 11.9	T=	.089 / 19.1
LAT= 60.0	Ũ=	.250 / 5.6	v =	.396 / 23.0	W=	.002201 / 11.9	T=	.160 / 18.3
LAT= 66.0	Ú=	.323 / 17.2	V≃	456 / 23.6	W=	.001810 / 11.9	T=	.183 / 18.1
LAT= 72.0	ΰ≠	.423 / 17.8	V =	.511 / 23.8	W=	.001438 / 11.9	T=	.165 / 17.9
LAT= 78.0	Ŭ=	.497 / 17.9	v =	.555 / 23.9	W=	.001001 / 12.0	T=	.127 / 17.9
				,				
Z= 36.378	км							
LAT= 0.0	U=	.949 / 5.7	V =	0.000 / 12.0	W=	.012192 / 16.0	T =	2.350 / 12.2
LAT= 6.0	U=	1.325 / 5.6	V =	2.223 / 11.7	W=	.010506 / 15.9	Ť=	1.997 / 12.3
LAT= 12.0	U=	2.193 / 5.6	V =	3.733 / 11.7	W =	.006458 / 15.4	Ť=	1.141 / 12.6
LAT= 18.0	U=	2.989 / 5.6	V=	4.203 / 11.7	W =	.002561 / 13.0	Ť=	.272 / 15.5
LAT= 24.0	U=	3.247 / 5.6	V=	3.719 / 11.7	W =	.002979 / 8.1	T=	.594 / 22.2
LAT = 30.0	U=	2.911 / 5.6	V =	2.784 / 11.7	W=	.003906 / 7.3	T =	.860 / 22.5
LAT= 36.0	U=	2.273 / 5.6	V=	1.758 / 11.7	W =	.003857 / 7.6	T =	.843 / 22.2
LAT= 42.0	U=	1,437 / 5.6	v =	.834 / 11.6	W =	.003439 / 8.6	Τ=	.714 / 21.5
LAT= 48.0	U≈	.712 / 5.5	V =	.170 / 11.0	W=	.003172 / 9.8	Τ=	.590 / 20.4
LAT = 54.0	U=	.157 / 4.8	V=	.278 / .3	W=	.003172 / 9.8	T.	.528 / 19.3
LAT= 60.0	U=	.219 / 18.3	V =	.560 / .1	W =	.003045 / 11.4	T=	.514 / 18.6
LAT= 66.0	U=	.490 / 18.0	V =	.744 / 0.0	W=	.002779 / 11.7	T=	.475 / 18.2
LAT= 72.0	U=	.715 / 18.0	V =	.875 / 0.0	W=	.002325 / 11.8	T=	.396 / 18.0
LAT= 78.0	u=	.864 / 18.0	V=	.967 / 24.0	W≃	.001659 / 11.9	T.	.293 / 18.0
	•	.00, , .0.0	• -				• -	.235 / .0.0

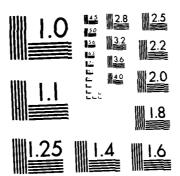
Table B1. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\rm O}{\rm N}$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 41.789 KM				
LAT= 0.0 U= LAT= 6.0 U= LAT= 12.0 U= LAT= 18.0 U= LAT= 24.0 U= LAT= 36.0 U= LAT= 48.0 U= LAT= 48.0 U= LAT= 54.0 U= LAT= 66.0 U= LAT= 66.0 U= LAT= 72.0 U= LAT= 72.0 U=	1.063 / 2.6 1.479 / 2.2 2.461 / 1.8 3.372 / 1.6 3.667 / 1.5 3.289 / 1.4 2.577 / 1.3 1.660 / .9 .959 / 23.6 .734 / 20.9 .909 / 19.0 1.209 / 18.3 1.532 / 18.1 1.770 / 18.0	V= 0.000 / 12.0 V= 2.540 / 6.4 V= 4.282 / 6.4 V= 4.858 / 6.3 V= 3.392 / 5.9 V= 2.368 / 5.3 V= 1.577 / 4.1 V= 1.262 / 2.4 V= 1.308 / 1.1 V= 1.481 / .4 V= 1.661 / .1 V= 1.964 / 24.0	W= .030755 / 12.8 W= .026681 / 12.7 W= .016770 / 12.7 W= .005857 / 12.2 W= .002234 / 2.8 W= .004828 / 1.8 W= .003947 / 2.2 W= .001825 / 4.2 W= .001825 / 4.2 W= .003895 / 11.4 W= .004658 / 11.7 W= .004676 / 11.9 W= .004060 / 11.9 W= .002942 / 11.9	T= 3.183 / 8.2 T= 2.621 / 8.2 T= 1.254 / 8.7 T= .479 / 17.0 T= 1.584 / 18.9 T= 2.123 / 19.0 T= 2.205 / 18.9 T= 2.069 / 18.7 T= 1.853 / 18.5 T= 1.659 / 18.3 T= 1.521 / 18.1 T= 1.336 / 18.0 T= 1.089 / 18.0 T= .789 / 18.0
Z= 47.224 KM				
LAT= 0.0 U= LAT= 6.0 U= LAT= 12.0 U= LAT= 18.0 U= LAT= 24.0 U= LAT= 36.0 U= LAT= 42.0 U= LAT= 48.0 U= LAT= 54.0 U= LAT= 66.0 U= LAT= 66.0 U= LAT= 78.0 U=	.872 / 20.4 1.670 / 19.8 3.551 / 19.5 5.356 / 19.4 6.135 / 19.3 5.792 / 19.3 4.929 / 19.2 3.769 / 19.0 2.986 / 18.7 2.707 / 18.4 2.773 / 18.2 3.097 / 18.0 3.578 / 18.0 3.991 / 18.0	V= 0.000 / 12.0 V= 4.782 / .9 V= 162 / .9 V= 497 / .9 V= 364 / .8 V= 7.576 / .7 V= 6.046 / .6 V= 4.759 / .5 V= 4.008 / .3 V= 3.719 / .1 V= 3.741 / 0.0 V= 3.912 / 24.0 V= 4.147 / 23.9 V= 4.383 / 23.9	W= .037710 / 9.7 W= .032851 / 9.8 W= .021110 / 10.1 W= .008778 / 11.4 W= .005215 / 16.5 W= .007186 / 18.0 W= .006729 / 17.2 W= .006431 / 15.3 W= .007581 / 13.5 W= .007914 / 12.6 W= .00912 / 12.2 W= .009125 / 12.0 W= .007715 / 12.0 W= .007543 / 11.9	T= 3.221 / 2.3 T= 2.610 / 2.1 T= 1.244 / .4 T= 1.271 / 18.4 T= 2.478 / 16.9 T= 3.142 / 16.7 T= 3.340 / 16.9 T= 3.309 / 17.1 T= 3.161 / 17.3 T= 2.997 / 17.6 T= 2.824 / 17.7 T= 2.523 / 17.8 T= 2.077 / 17.8 T= 1.507 / 17.8
Z= 52.691 KM				
LAT = 0.0 U= LAT = 6.0 U= LAT = 12.0 U= LAT = 18.0 U= LAT = 24.0 U= LAT = 36.0 U= LAT = 42.0 U= LAT = 48.0 U= LAT = 54.0 U= LAT = 66.0 U= LAT = 78.0 U= LAT = 78.0 U=	.904 / 13.8 1.787 / 15.1 4.043 / 15.8 6.258 / 16.0 7.249 / 16.1 6.921 / 16.2 6.001 / 16.4 4.767 / 16.6 4.034 / 17.0 3.961 / 17.5 4.328 / 17.7 4.990 / 17.8 5.824 / 17.8 6.526 / 17.8	V= 0.000 / 12.0 V= 5.880 / 22.0 V= 10.057 / 22.1 V= 11.752 / 22.1 V= 11.205 / 22.2 V= 9.632 / 22.4 V= 7.909 / 22.7 V= 6.533 / 23.0 V= 5.838 / 23.4 V= 5.713 / 23.6 V= 5.950 / 23.7 V= 6.334 / 23.8 V= 6.771 / 23.8 V= 7.178 / 23.8	W= .033563 / 5.0 W= .028217 / 5.2 W= .015761 / 6.2 W= .015761 / 6.2 W= .008793 / 10.9 W= .016249 / 13.7 W= .020993 / 14.0 W= .021894 / 13.8 W= .021894 / 13.8 W= .021028 / 13.4 W= .019643 / 12.9 W= .018436 / 12.4 W= .017100 / 12.2 W= .015113 / 12.0 W= .012336 / 12.0 W= .008755 / 11.9	T= 4.898 / 21.4 T= 4.304 / 21.2 T= 2.923 / 20.5 T= 1.759 / 18.4 T= 1.731 / 15.8 T= 2.043 / 15.1 T= 2.226 / 15.5 T= 2.400 / 16.3 T= 2.572 / 16.9 T= 2.702 / 17.4 T= 2.701 / 17.6 T= 2.496 / 17.7 T= 2.090 / 17.8 T= 1.529 / 17.8

Table B1. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 51.200 KM				
LAT= 0.0 U=	3.255 / 8.6	v= 0.300 / 12.0	W= .047417 / .1	T= 5.999 / 17.8
LAT = 6.0 U=	4.257 / 9.1	V= 5.791 / 17.5	w= .038718 / .1	T= 5.245 / 17.8
LAT = 12.0 U=	6.€86 / 9.7	V= 9.753 / 17.5	W= .017424 / .2	T= 3.413 / 17.8
LAT= 18.0 U=	8.955 / 10.0	V= 11.052 / 17.7	W≈ .006902 / 11.7	T= 1.391 / 17.8
LAT = 24.0 U=	9.646 / 10.2 8.58 / 10.3	V= 9.957 / 17.9 V= 7.859 / 18.5	W= .025284 / 12.0 W= .033770 / 12.0	T= .027 / 2.8 T= .491 / 5.6
LAT= 36.0 U=	6.639 / 10.6	V= 5.894 / 19.5	W= .034998 / 12.0	T= .270 / 5.5
LAT = 42.0 U=	4.226 / 11.4	V= 4.895 / 21.1	W= .032579 / 11.9	T= .264 / 18.1
LAT= 48.0 U=	2.745 / 13.5	V= 5.110 / 22.5	W= .028787 / 11.9	T= .806 / 17.9
LAT = 44.0 U=	3.125 / 16.2	V= 5,901 / 23.2	W= .025277 / 11.9	T= 1.210 / 17.9
LAT= 60.0 U=	4.384 / 17.3	V= 6.799 / 23.6	W= .022411 / 11.9	T= 1.395 / 17.9
LAT= 66.0 U=	5.742 / 17.6 7.073 / 17.8	V= 7.625 / 23.7 V= 8.363 / 23.8	W= .019227 / 11.9 W= .015460 / 11.9	T= 1.380 / 17.9 T= 1.189 / 17.8
LAT= 72.0 U= LAT= 78.0 U=	8.094 / 17.B	V= 8.973 / 23.8	W= .015460 / 11.9 W= .010946 / 11.9	T= .886 / 17.8
[41- 78.0 0-	8.034 / 77.0	V- 0.0/3 / 25. 0	W010940 / 1713	1535 / 17.6
Z= 63,765 KM				
LAT= 0.0 U=	4.451 / 7.2	V= 0.000 / 12.0	W= .072367 / 20.3	T= 7.038 / 15.4
LATE 6.0 UE	5.842 / 7.4	V= 0.000 / 12.0 V= 8.221 / 13.4	w= .060497 / 20.3	T= 6.034 / 15.5
LAT = 12.0 U=	9.041 / 7.7	V= 13.721 / 13.5	W= .031723 / 19.8	T= 3.590 / 15.6
LAT = 18.0 U=	11.988 / 7.8	V= 15.287 / 13.5	w≈ .008117 / 13.7	T* .902 / 16.7
LAT= 24.0 U=	12.845 / 7.8	V= 13.192 / 13.6	w± .027890 / 10.0	T= 1.162 / 2.2
LAT = 30.0 U=	11.373 / 7.9	v= 9.343 / 13.8	W= .038229 / 9.8	T= 1.896 / 2.6
LAT= 36.0 U=	8.658 / 8.0 5.074 / 8.3	V= 5.130 / 14.3 V= 1.840 / 17.3	w= .038858 / 9.9 w= .034980 / 10.3	T= 1.762 / 2.5 T= 1.232 / 2.1
LAT= 42.0 U=	2.049 / 10.0	.= 2.859 / 22.4	W= .034980 / 10.3 W= .029939 / 10.7	T= 1.232 / 2.1
LAT = 54.0 U=	1.992 / 15.9	V= 4.897 / 23.4	w= .025841 / 11.1	Ta .391 / 22.0
LAT= 60.0 U=	3.941 / 17.4	V= 512 / 23.7	W= .022901 / 11.4	T= .430 / 19.5
LATE 66.0 UF	5.735 / 17.7	v= 1.741 / 23.8	w= .019742 / 11.6	T= .472 / 18.5
LAT = 72.0 U=	7.345 / 17.8	V= 8.719 / 23.8	W= .015977 / 11.7	T= .427 / 18.2
LAT= 78.0 U=	8.530 / 17.8	V= 9,471 / 23.8	w= .011434 / 11.8	T≈ .326 / 18.0
Z= 60.403 KM				
LAT = 0.0 U=	4,997 / 4.5	V= 0.000 / 12.0	W= .106824 / 16.4	T= 8.933 / 11.3
LAT= 6.0 U=	6.691 / 4.3	V= 0.000 / 12.0 V= 12.979 / 9.5	w= .091212 / 10.3	T= 7.575 / 11.3
LAT = 12.0 U=	10.542 / 4.1	V= 21.765 / 9.5	w= .053345 / 16.0	T= 4.262 / 11.4
LAT= 18.0 U=	14.072 / 4.0	V= 24.461 / 9.5	W= .014089 / 13.7	T= .596 / 12.5
LAT = 24.0 U=	15.151 / 4.0	V= 21.561 / 9.4	w= .023284 / 6.6	T= 2.109 / 22.8
LAT= 30.0 U=	13.473 / 3.9	v: 16.006 / 9.3	w= .0:4344 / 6.2	T= 3.134 / 22.9
LAT= 35.0 U=	10,347 / 3.9 6.232 / 3.6	V= 9.96 / 8.9 V= 4.715 / 7.7	W= .032864 / 6.5 W= .026460 / 7.3	T= 2.966 / 22.9 T= 2.254 / 22.9
LAT -14.0 Us	2.669 / 2.5	V= 4.,15 / 7.7 V= 2.043 / 3.7	w= .020882 / 8.6	T= 1.433 / 22.9
LAT = 54.0 U=	1.652 / 20.6	V= 4.258 / .9	w= .018876 / 10.1	T# .777 / 22.8
LAT= +-0 0 J=	3,575 18.4	v= 6.011 / .2	w= .0'8425 / 10.9	Tr .410 / 22.5
LAT= 66.0 U=	5.425 / 18.0	V= 7.356 / 24.0	w= .017183 / 11.4	T= .200 / 21.9
LAT = 72.0 U=	7.081 / 17.9	V= 8.412 / 23.9	w= .014577 / 11.6	T= .099 / 21.6
LAT= 78.0 L=	8.301 / 17.9	v= 9.213 / 23.9	w= .010745 / 11.7	T= .047 / 21.3





MICROCOPY RESOLUTION TEST CHART
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Table B1. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\rm O}N$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 75.140 KM				
LAT = 0.0 U = LAT = 6.0 U = LAT = 12.0 U = LAT = 18.0 U = LAT = 24.0 U = LAT = 36.0 U = LAT = 48.0 U = LAT = 54.0 U = LAT = 60.0 U = LAT = 60.0 U = LAT = 60.0 U = LAT = 72.0 U = LAT = 72.0 U = LAT = 72.0 U = LAT = 78.0 U = LAT = 78	5.533 / 22.3 8.592 / 22.0 15.768 / 21.7 22.468 / 21.6 24.919 / 21.5 18.409 / 21.4 12.738 / 21.3 8.433 / 20.8 6.153 / 19.9 5.564 / 18.9 7.091 / 18.0 8.042 / 17.9	V= 0.000 / 12.0 V= 19.299 / 4.3 V= 32.607 / 4.3 V= 37.160 / 4.2 V= 33.742 / 4.1 V= 19.019 / 3.8 V= 12.536 / 3.3 V= 8.640 / 2.4 V= 7.105 / 1.3 V= 7.040 / .6 V= 7.540 / .1 V= 8.217 / 24.0 V= 8.861 / 23.9	W= .131257 / 12.6 W= .112758 / 12.6 W= .067743 / 12.6 W= .017900 / 12.2 W= .017799 / 1.2 W= .030555 / 1.0 W= .026764 / 1.1 W= .015643 / 1.5 W= .004668 / 4.1 W= .007799 / 10.7 W= .012266 / 11.5 W= .012539 / 11.8 W= .009548 / 11.8	T= 12.662 / 6.7 T= 10.753 / 6.7 T= 6.100 / 6.7 T= .917 / 6.6 T= 2.801 / 18.7 T= 4.212 / 18.7 T= 3.927 / 18.7 T= 1.662 / 18.8 T= .677 / 19.2 T= .170 / 20.6 T= .158 / 4.5 T= .258 / 5.3 T= .239 / 5.5
Z= 81.010 KM LAT= 0.0 U= LAT= 6.0 U= LAT= 12.0 U= LAT= 18.0 U= LAT= 30.0 U= LAT= 36.0 U= LAT= 42.0 U= LAT= 42.0 U= LAT= 54.0 U= LAT= 60.0 U= LAT= 60.0 U= LAT= 72.0 U= LAT= 78.0 U=	7.384 / 16.7 11.709 / 16.7 21.740 / 16.8 31.100 / 16.8 34.569 / 16.8 25.667 / 16.9 17.821 / 16.9 11.764 / 17.0 8.180 / 17.2 6.488 / 17.5 6.226 / 17.7 6.820 / 17.8 7.519 / 17.8	V= 0.000 / 12.0 V= 25.510 / 1.5 V= 43.144 / 1.5 V= 49.280 / 1.5 V= 35.787 / 1.5 V= 35.787 / 1.5 V= 25.813 / 1.4 V= 17.192 / 1.2 V= 11.596 / .9 V= 8.664 / .6 V= 7.572 / .2 V= 7.444 / 0.0 V= 7.779 / 23.9 V= 8.249 / 23.9	W= .137910 / 8.0 W= .117706 / 8.0 W= .068553 / 8.2 W= .015465 / 9.8 W= .027583 / 18.5 W= .042164 / 18.8 W= .039492 / 18.6 W= .029406 / 18.1 W= .019322 / 16.8 W= .014445 / 14.8 W= .013997 / 13.4 W= .013997 / 13.4 W= .011702 / 12.7 W= .011702 / 12.7 W= .008734 / 12.0	T= 17.767 / 1.9 T= 15.103 / 1.9 T= 8.610 / 1.9 T= 1.408 / 2.7 T= 3.854 / 13.4 T= 5.844 / 13.5 T= 5.487 / 13.4 T= 4.076 / 13.2 T= 2.482 / 12.7 T= 1.304 / 11.4 T= .842 / 9.5 T= .706 / 7.6 T= .644 / 6.5 T= .505 / 6.1
Z= 87.062 kM LAT= 0.0 U= LAT= 6.0 U= LAT= 12.0 U= LAT= 18.0 U= LAT= 30.0 U= LAT= 30.0 U= LAT= 42.0 U= LAT= 42.0 U= LAT= 54.0 U= LAT= 54.0 U= LAT= 60.0 U= LAT= 60.0 U= LAT= 78.0 U= LAT= 78.0 U=	9.968 / 11.7 14.827 / 11.8 26.096 / 12.0 36.510 / 12.1 40.149 / 12.1 36.388 / 12.1 29.011 / 12.2 19.395 / 12.3 11.680 / 12.7 6.863 / 13.6 4.702 / 15.2 4.749 / 16.8 5.762 / 17.4 6.617 / 17.7	V= 0.000 / 12.0 V= 28.189 / 17.0 V= 47.517 / 17.0 V= 53.905 / 17.1 V= 48.477 / 17.1 V= 37.567 / 17.2 V= 25.701 / 17.3 V= 15.299 / 17.7 V= 8.557 / 18.6 V= 5.511 / 20.4 V= 5.183 / 22.2 V= 5.813 / 23.2 V= 6.578 / 23.7 V= 7.223 / 23.8	W= .144308 / .9 W= .121271 / 1.0 W= .064986 / 1.0 W= .002805 / 4.0 W= .043942 / 12.7 W= .060727 / 12.7 W= .060727 / 12.7 W= .049891 / 12.6 W= .036900 / 12.5 W= .026329 / 12.4 W= .02030 / 12.3 W= .015450 / 12.1 W= .01854 / 12.0 W= .008232 / 11.9	T= 22.028 / 19.4 T= 18.604 / 19.4 T= 10.242 / 19.4 T= .925 / 20.4 T= 5.877 / 7.2 T= 8.553 / 7.2 T= 8.235 / 7.2 T= 6.535 / 7.2 T= 4.555 / 7.0 T= 2.984 / 6.8 T= 2.034 / 6.6 T= 1.427 / 6.4 T= 1.064 / 5.9 T= .727 / 5.8

Table B1. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 93.363 KM				
LAT= 0.0 U= LAT= 6.0 U= LAT= 12.0 U= LAT= 18.0 U= LAT= 24.0 U= LAT= 36.0 U= LAT= 42.0 U= LAT= 42.0 U= LAT= 60.0 U= LAT= 60.0 U= LAT= 67.0 U= LAT= 78.0 U= LAT= 78.0 U=	11.801 / 6.9 17.171 / 6.9 29.540 / 6.9 41.039 / 7.0 45.044 / 7.0 40.778 / 7.0 32.333 / 7.0 21.216 / 7.0 11.807 / 7.1 4.968 / 7.5 .965 / 9.7 2.283 / 17.2 4.448 / 17.4 5.651 / 17.7	V= 0.000 / 12.0 V= 31.483 / 12.9 V= 53.036 / 12.9 V= 60.153 / 12.9 V= 53.982 / 12.9 V= 41.562 / 12.9 V= 27.863 / 13.0 V= 15.597 / 13.0 V= 6.972 / 13.3 V= 1.730 / 15.2 V= 2.217 / 22.9 V= 4.119 / 23.7 V= 5.397 / 23.8 V= 6.220 / 24.0	W= .175146 / 19.5 W= .147983 / 19.4 W= .081936 / 19.3 W= .011378 / 16.5 W= .046386 / 8.4 W= .066843 / 8.2 W= .063703 / 8.3 W= .050017 / 8.5 W= .034407 / 8.8 W= .022374 / 9.4 W= .015789 / 10.2 W= .015789 / 10.9 W= .009064 / 11.3 W= .009064 / 11.4	T= 26.550 / 13.5 T= 22.468 / 13.4 T= 12.538 / 13.3 T= 1.623 / 11.8 T= 6.551 / 2.0 T= 9.613 / 1.9 T= 9.110 / 1.9 T= 6.949 / 1.9 T= 4.495 / 2.1 T= 2.564 / 2.4 T= 1.371 / 2.8 T= .744 / 3.4 T= .524 / 3.6 T= .292 / 3.5
Z= 96.638 KM				
LAT= 0.0 U= LAT= 6.0 U= LAT= 12.0 U= LAT= 18.0 U= LAT= 24.0 U= LAT= 30.0 U= LAT= 42.0 U= LAT= 42.0 U= LAT= 66.0 U= LAT= 66.0 U= LAT= 72.0 U= LAT= 78.0 U=	12.269 / 4.1 18.097 / 4.1 31.509 / 4.0 44.058 / 4.0 48.571 / 4.0 44.209 / 4.1 35.363 / 4.1 23.593 / 4.1 13.650 / 4.1 6.435 / 3.9 2.291 / 2.8 1.406 / 20.0 3.342 / 17.9 4.655 / 17.8	V= 0.000 / 12.0 V= 33.433 / 9.6 V= 56.357 / 9.6 V= 64.012 / 9.6 V= 57.657 / 9.7 V= 44.687 / 9.7 V= 17.560 / 9.6 V= 8.599 / 9.4 V= 3.123 / 8.2 V= 1.717 / 2.7 V= 4.516 / 24.0 V= 5.379 / 23.9	W= .210267 / 15.8 W= .179554 / 15.8 W= .164745 / 15.6 W= .023006 / 14.2 W= .041901 / 5.0 W= .065281 / 4.6 W= .065281 / 4.6 W= .062111 / 4.6 W= .028713 / 5.2 W= .015125 / 6.1 W= .008936 / 7.9 W= .006803 / 9.8 W= .003690 / 11.1	T= 29.573 / 10.1 T= 25.148 / 10.1 T= 14.355 / 10.0 T= 2.491 / 8.5 T= 6.527 / 22.8 T= 9.913 / 22.5 T= 9.452 / 22.4 T= 7.200 / 22.4 T= 4.587 / 22.3 T= 2.499 / 22.2 T= 1.314 / 21.5 T= .713 / 20.3 T= .476 / 19.3 T= .405 / 18.4
Z= 100.017 KM				
LAT= 0.0 U= LAT= 6.0 U= LAT= 12.0 U= LAT= 18.0 U= LAT= 30.0 U= LAT= 36.0 U= LAT= 42.0 U= LAT= 42.0 U= LAT= 54.0 U= LAT= 54.0 U= LAT= 60.0 U= LAT= 60.0 U= LAT= 72.0 U= LAT= 72.0 U=	12.112 / .7 18.032 / .6 31.743 / .5 44.362 / .4 48.675 / .4 43.963 / .3 34.860 / .2 23.052 / 24.0 13.554 / 23.5 7.614 / 22.4 5.270 / 20.8 4.923 / 19.2 5.614 / 18.0 5.882 / 17.8	V= 0.000 / 12.0 V= 34.071 / 6.3 V= 57.430 / 6.3 V= 58.476 / 6.2 V= 45.274 / 6.1 V= 31.028 / 5.9 V= 18.684 / 5.5 V= 10.734 / 4.5 V= 6.924 / 3.0 V= 5.884 / 1.4 V= 5.913 / .2 V= 6.092 / .2 V= 6.156 / .2	W= .245266 / 13.8 W= .211153 / 13.8 W= .211153 / 13.8 W= .035675 / 13.0 W= .035655 / 13.0 W= .0356011 / 2.9 W= .062795 / 2.4 W= .061449 / 2.4 W= .045763 / 2.5 W= .027204 / 2.5 W= .012605 / 3.5 W= .005069 / 5.6 W= .003354 / 10.8 W= .001536 / 10.9	T= 28.927 / 8.0 T= 24.117 / 8.1 T= 12.410 / 8.4 T= 2.446 / 15.5 T= 11.050 / 18.9 T= 14.912 / 19.1 T= 14.537 / 19.1 T= 12.085 / 19.0 T= 9.032 / 18.9 T= 6.300 / 18.7 T= 4.396 / 18.5 T= 2.899 / 18.4 T= 1.664 / 18.8 T= .954 / 19.0

Table B1. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\rm O}{\rm N}$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 103.521	KM							
LAT= 0.0	U=	11.924 / 22.5	٧=	0.000 / 12.0	w=	.261912 / 11.8	T=	25.590 / 4.1
LAT= 6.0	U≠	18.347 / 22.1	٧×	38.213 / 3.7	W≃	.227503 / 11.8	T =	20.505 / 4.0
LAT= 12.0	U=	33.409 / 21.8	V =	64.922 / 3.7	₩=	.143537 / 11.9	T=	8.271 / 3.5
LAT= 18.0	Ų=	48.040 / 21.7	٧=	75.082 / 3.6	W=	.049239 / 12.0	1 =	6.130 / 17.6
LAT= 24.0	U=	54.307 / 21.5	V =	69.894 / 3.5	W=	.020199 / 23.3	1=	16.114 / 16.9
LAT= 30.0	U=	51.046 / 21.4	٧=	57.428 / 3.3	W=	.048686 / 23.6	T=	20.182 / 16.8
LAT= 36.0 LAT= 42.0	U= U=	43.036 / 21.2 31.803 / 20.8	V= V±	43.330 / 3.0 30.784 / 2.5	W=	.047583 / 23.7	Τ= Τ=	19.773 / 16.9 17.125 / 16.9
LAT= 42.0	U=	22.896 / 20.3	٧×	22.540 / 1.9	W=	.032401 / 23.7 .014474 / 23.7	T=	13.818 / 17.1
LAT= 54.0	U=	17.343 / 19.5	V=	17.869 / 1.2	W≃	.000582 / 22.6	T=	10.817 / 17.2
LAT= 60.0	U=	14,291 / 18.9	V=	15.610 / .6	W=	.006726 / 12.0	T=	B.730 / 17.2
LAT= 66.0	Ŭ=	13.194 / 18.4	V=	14.574 / .2	W=	.009302 / 12.0	T=	6.915 / 17.2
AT= 72.0	U≃	13.307 / 17.9	V=	14.027 / 24.0	W=	.008266 / 11.9	T=	5.219 / 17.3
LAT= 78.0	U=	12.860 / 17.9	٧×	13.473 / 23.9	W=	.005226 / 11.9	T=	3.475 / 17.3
Z= 107.177	KM							
LAT= 0.0	U≖	8.429 / 20.5	٧±	.002 / 11.9	W=	.253740 / 9.7	T=	32.292 / 2.1
LAT= 6.0	U=	14.734 / 19.9	V 3	39.430 / 1.6	W=	.220823 / 9.7	T=	26.906 / 2.0
LAT= 12.0	U≠	29.867 / 19.5	V=	67.451 / 1.6	W=	.141337 / 10.0	T=	13.965 / 1.6
LAT= 18.0	U=	44.947 / 19.3	V =	79.023 / 1.5	W=	.056354 / 11.2	Ť=	3.560 / 19.3
AT= 24.0	Ū=	52.154 / 19.3	V=	75.095 / 1.5	W=	.032998 / 17.2	T=	12.243 / 15.5
AT= 30.0	U=	50.184 / 19.2	٧×	63.693 / 1.4	W=	.051231 / 19.0	T=	16.335 / 15.2
AT= 36.0	Ü=	43.662 / 19.2	٧×	50.385 / 1.3	W=	.049078 / 18.9	T=	15.777 / 15.2
LAT= 42.0	Ų=	33.910 / 19.1	V۳	38.277 / 1.1	W=	.037261 / 18.1	T =	13.070 / 15.3
AT= 48.0	Ų≖	26.228 / 18.9	V =	30.061 / .8	W=	.026501 / 16.4	T=	9.817 / 15.5
AT= 54.0	U=	21.610 / 18.6	Vع	25.191 / .5	₩=	.022714 / 14.3	T=	7.089 / 15.8
AT= 60.0	U=	19.152 / 18.4	٧×	22.825 / .2	M=	.023221 / 13.2	T=	5.363 / 16.0
AT= 66.0	U=	18.793 / 18.2	٧×	21.921 / .1	W×	.022036 / 12.6	Ţ=	4.159 / 16.3
AT= 72.0	U=	19.806 / 17.9	٧=	21.761 / 24.0	W=	.018498 / 12.2	7=	3.343 / 16.8
LAT= 78.0	U=	20.748 / 17.8	V=	21.903 / 23.9	M=	.013902 / 12.0	T=	2.619 / 17.0
!= 111.019	KM							
AT= 0.0	U=	4.985 / 15.1	V =	.003 / 11.3	W=	.221609 / 6.6	T=	38.841 / 22.8
AT= 6.0	U≠	10.625 / 15.8	V=	35.786 / 22.6	w=	.190388 / 6.8	T=	32.988 / 22.8
AT= 12.0	U=	24.081 / 16.1	٧±	61.192 / 22.6	₩=	.116079 / 7.5	T=	18.738 / 23.0
AT= 18.0	U≈	37.014 / 16.2	V =	71.464 / 22.6	W=	.054160 / 10.7	T =	3.167 / 1.1
AT= 24.0	U=	42.638 / 16.3	V =	67.773 / 22.7	M =	.073534 / 14.6	T =	9.657 / 9.8
AT= 30.0	U≖	40.269 / 16.3	V =	57.464 / 22.7	W=	.094427 / 15.4	T=	14.589 / 10.0
AT= 36.0	U=	34.235 / 16.4	V =	45.797 / 22.9	W=	.093301 / 15.4	Ţ=	14.471 / 9.9
AT= 42.0	U= U=	25.883 / 16.6	V =	35.476 / 23.1	W=	.079816 / 15.0	T=	11.923 / 9.7
.AT≥ 48.0 .AT≥ 54.0	U=	20.010 / 16.9 17.500 / 17.2	V = V =	28.837 / 23.3 25.312 / 23.5	W=	.063795 / 14.4 .049830 / 13.8	T= T=	8.534 / 9.4 5.448 / 8.7
AT= 60.0	U=	17.030 / 17.7	V =	23.923 / 23.7	W=	.040617 / 13.3	T=	5.448 / B.7 3.828 / 7.9
AT= 66.0	U=	18.443 / 17.8	٧=	23.871 / 23.8	W=	.032887 / 12.8	T=	2.550 / 7.1
AT= 72.0	Ü=	20.912 / 17.7	v=	24.505 / 23.8	W=	.025435 / 12.6	Ť=	1.328 / 6.1
AT= 78.0	Ü=	23.530 / 17.8	V=	25.567 / 23.9	•••	.018625 / 12.4	T=	.665 / 4.4

Table B1. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

```
Z= 115.091 KM
                                8.225 / 10.8
12.317 / 11.9
23.137 / 12.8
33.698 / 13.1
37.784 / 13.2
34.902 / 13.3
28.801 / 13.4
20.516 / 13.7
14.841 / 14.4
13.188 / 15.5
14.277 / 16.7
17.324 / 17.2
21.097 / 17.3
                                                                          .004 / 10.6
30.865 / 19.7
52.611 / 19.7
61.094 / 19.8
57.435 / 19.9
48.032 / 20.1
                                                                                                                      .178849 / 4.0
.146766 / 4.2
.074615 / 5.4
                                                                                                                                                                   33.814 / 20.2
28.058 / 20.3
14.200 / 21.1
6.327 / 3.7
16.233 / 6.3
 LAT= 0.0
 LAT= 6.0
                          U=
                                                                   V =
                                                                                                                                                           T=
                          U=
LAT= 12.0
                                                                                                              W=
                                                                                                                       .052390 / 11.2
LAT= 18.0
                          U=
                                                                    ٧×
                                                                   V =
V =
                                                                                                                                                           T=
T=
 LAT= 24.0
                          U=
                                                                                                                        .104403 / 13.4
LAT= 30.0
                          U=
                                                                                                                       .128963 / 13.7
.126338 / 13.7
                                                                                                                                                                    20.880 /
                                                                                                              W=
                                                                                                                                                                                         6.6
                                                                                                                                                                    20.408 /
17.326 /
 LAT= 36.0
                                                                            37.667 /
LAT= 42.0
LAT= 48.0
                                                                            29.174 / 24.440 /
                                                                                                                                                           T=
T=
                          U=
                                                                    V =
                                                                                               21.1
                                                                                                                        .110581 / 13.6
                                                                                                                                                                                         6.5
                          U=
                                                                    V=
                                                                                               21.9
                                                                                                                       .089048 / 13.5
.067664 / 13.3
                                                                                                                                                                    13.278 /
                                                                                                                                                                                         6.3
                                                                                                              w=
                                                                           22.872 / 22.6
23.257 / 23.1
24.538 / 23.4
26.222 / 23.6
28.164 / 23.7
                                                                                                                                                                      9.404 /
6.985 /
4.932 /
 LAT= 54.0
                          U=
                                                                                                                                                                                         5.9
LAT= 60.0
LAT= 66.0
                                                                   V ≠
                                                                                                                                                           T=
                          U=
                                                                                                              W=
                                                                                                                        .052333 / 13.1
                                                                                                                                                                                        5.5
                                                                                                                       .039678 / 13.0
.028690 / 13.0
.019057 / 12.8
                          Ū=
                                                                                                              ₩÷
                                                                                                                                                                                        5.1
 LAT= 72.0
                          u=
                                                                                                                                                                      1.750 /
 LAT= 78.0
                          U=
Z= 119.451 KM
                                                                                                                                                                   26.215 / 17.6
20.807 / 17.7
7.827 / 18.2
7.254 / 4.4
17.568 / 5.0
21.262 / 5.1
19.933 / 5.1
                                                                          .004 / 10.3
25.787 / 17.1
43.747 / 17.2
50.419 / 17.3
                                                                                                                      .129738 / 23.4
.098818 / 23.3
.025595 / 21.6
.065530 / 12.6
.127135 / 12.2
                                  10.972 /
LAT= 0.0
                         υ=
                                                       8.8
                                                                   V=
                                 14.356 / 9.5
22.979 / 10.3
31.409 / 10.6
LAT= 6.0
                          U=
                                                                   V =
                                                                                                                                                           T=
                                                                   V =
V =
                                                                                               17.2
17.3
17.5
 LAT= 12.0
                          11=
                                                                                                              W=
                         Ū=
LAT= 18.0
                                                                                                                                                           Τ×
                                                                                                              W=
                                 34.495 / 10.8
31.624 / 10.9
25.846 / 11.0
                                                                            46.675 / 17.5
38.079 / 17.9
29.047 / 18.7
LAT= 24.0
                                                                                                                                                           1=
LAT= 30.0
LAT= 36.0
                          U=
                                                                   ٧=
                                                                                                              W=
                                                                                                                       .151052
                                                                                                                                       / 12.2
                         Ŭ≖
                                                                                                                       .146744 / 12.3
                                                                   V =
                                                                                                              W=
                                                                                                                                                           T=
                                 17.884 / 11.5
12.525 / 12.8
12.035 / 14.7
LAT= 42.0
                                                                            22.778 /
                                                                                               19.9
                                                                                                                                                                    16.242 /
                                                                                                                                                                                         5.1
                                                                           21.188 / 21.3
22.828 / 22.4
25.780 / 22.9
28.875 / 23.2
31.934 / 23.4
34.857 / 23.5
                                                                                                                      .105542 / 12.6
.081054 / 12.7
.062168 / 12.8
.046261 / 13.0
.032495 / 13.4
.019449 / 13.6
                                                                                                                                                                    11.690 /
7.350 /
4.670 /
 LAT= 48.0
                         Hz
                                                                    V≖
                                                                                                              W=
                          U≖
LAT= 54.0
                                                                   V=
V=
                                                                                                                                                                                        4.9
4.8
                                                                                                              W=
                                                                                                                                                           T=
                                 12.035 / 14.7
15.043 / 16.3
19.848 / 16.9
25.029 / 17.1
30.152 / 17.2
LAT= 60.0
                         U=
LAT= 66.0
                         U=
                                                                   ٧×
                                                                                                              W=
                                                                                                                                                           T=
                                                                                                                                                                     2.763 /
1.544 /
1.100 /
                                                                                                                                                                                         4.9
                          Ū=
LAT= 72.0
                                                                                                              wz
                                                                                                                                                                                        6.1
Z= 124.175 KM
                                                                                                                       .149916 / 19.7
.124464 / 19.2
.081231 / 16.8
                                                                                                                                                                   26.262 / 14.6
21.697 / 14.5
10.722 / 13.8
4.138 / 6.9
11.279 / 4.3
13.683 / 4.0
                                                     6.7
7.1
7.6
                                                                         .004 / 10.5
19.683 / 14.9
32.906 / 15.0
            0.0
                                  12.776 /
                                 15.694 /
22.718 /
LAT= 6.0
                         U=
                                                                   V=
V=
                                                                                                              W=
                                                                                                                                                           T=
LAT= 12.0
                         U=
                                                                            36.909 /
32.493 /
24.579 /
                                 29.262 /
31.015 /
                                                                                                                       .101549
LAT= 18.0
                         U=
                                                       7.9
                                                                                               15.2
                                                       8.0
8.2
                         U =
                                                                   V =
V =
                                                                                                                       .147932
                                                                                                                                       / 12.0
LAT= 24.0
                                                                                               15.6
                                                                                                              W=
LAT= 30.0
                                  27.336 /
                                                                                                                       .167294
                                                                                               16.4
                                 20.835 / 8.6
12.276 / 9.6
8.031 / 12.7
                                                                           17.887 / 18.0
17.031 / 20.4
21.240 / 22.0
                                                                                                                                                                   11.806 /
8.191 /
4.003 /
LAT= 36.0
                         U=
                                                                   ٧×
                                                                                                                       .161696 /
LAT= 42.0
                         U=
                                                                   V =
V =
                                                                                                                       .144945 / 11.9
                                                                                                                                                           T=
T=
                                                                                                              ₩=
                                                                                                                                                                                        4 1
LAT= 48.0
                                                                                                                                                                                        4.5
                                 11.972 / 15.5
18.745 / 16.7
25.828 / 17.1
32.758 / 17.2
39.331 / 17.3
                                                                           26.889 / 22.8
32.440 / 23.1
37.429 / 23.3
41.968 / 23.4
45.981 / 23.4
                                                                                                                                                                       .688 /
LAT= 54.0
                         U=
                                                                   ۶۷
                                                                                                                        .095903
                                                                                                                                            12.5
                                                                                                                                                                                        9
                                                                                                                                                                                            . 6
                                                                                                                      .074468 / 12.8
.056281 / 13.2
.040740 / 13.8
.024573 / 14.5
                                                                   ٧×
                                                                                                                                                                     2.229 / 14.1
3.139 / 14.1
3.185 / 13.4
2.248 / 12.5
LAT= 60.0
                         U≖
                                                                                                              w =
                                                                                                                                                           T=
LAT= 66.0
LAT= 72.0
                         U≖
LAT= 78.0
```

Table B1. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\rm O}{\rm N}$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 129.367	KM							
LAT= 0.0	U=	12.969 / 4.9	٧×	.002 / 11.1	W=	.227677 / 17.4	T=	32.496 / 12.
LAT= 6.0	U=	15.296 / 5.2	V≖	14.455 / 13.0	w=	.205652 / 17.0	T =	28.526 / 12.
LAT= 12.0	U=	20.661 / 5.6	V =	23.504 / 13.1	W=	.163526 / 15.6	T=	18.998 / 12.
LAT= 18.0	Ū=	25.146 / 5.8	V =	24.814 / 13.3	w=	.154285 / 13.4	T=	8.643 / 12.
LAT= 24.0	Ū=	25.234 / 6.0	V=	18.988 / 13.8	w=	.176706 / 12.0	T=	1.569 / 14.
LAT= 30.0	Ü=	20.427 / 6.1	V =	10.793 / 15.5	w=	.187653 / 11.5	T=	1.703 / 20.
LAT= 36.0	Ŭ=	12.877 / 6.4	v=	9.435 / 20.0	W=	.179466 / 11.5	T=	2.815 / 18.
LAT= 42.0	Ü=	3.263 / 8.6	V =	17.700 / 22.3	w=	.164608 / 11.7	T=	4.983 / 16.
LAT= 48.0	Ū=	7.815 / 16.5	V=	26.693 / 22.9	W=	.142214 / 12.0	Ť=	7.922 / 15.
LAT= 54.0	Ū=	16.705 / 17.0	V=	34.922 / 23.2	W=	.116554 / 12.4	7=	10.588 / 15.
LAT= 60.0	U≖	26.028 / 17.4	V=	42.361 / 23.4	W=	.092789 / 12.7	T=	11,414 / 14.
LAT= 66.0	U=	34.879 / 17.4	V=	48.915 / 23.4	W=	.072196 / 13.1	Ta	10.778 / 14.
LAT= 72.0	U=	43.512 / 17.4	V=	54.861 / 23.4	W=	.055171 / 13.8	T=	
LAT= 78.0	U=	51.511 / 17.4	V=	59.994 / 23.4	W=			8.829 / 14.
LAT= 76.0	0-	31.511 / 17.4	7-	59.994 / 23.4	# =	.035903 / 14.6	T*	5.532 / 13.
Z= 135.169	KM							
LAT= 0.0	U=	14.589 / 2.8	V=	.002 / 12.9	W=	.347469 / 15.6	7=	41.484 / 12.
LAT= 0.0	U=	16.371 / 2.9	V =	10.618 / 9.4	W=	.322752 / 15.4	T=	37.853 / 12.
	U=							
LAT= 12.0	U=	20.363 / 3.1 23.209 / 3.2	V =	16.760 / 9.3	W=	.267256 / 14.6	T=	29.383 / 12.
LAT= 18.0			V =	16.550 / 8.9	W=	.222716 / 13.3	Ţ=	21.357 / 13.
LAT= 24.0	U=	22.006 / 3.1	V=	11.005 / 7.6	W=	.208635 / 12.1	Ť=	17.833 / 15.
LAT= 30.0	U=	16.884 / 2.6	V =	8.409 / 3.4	W=	.204252 / 11.5	T=	17.947 / 15.
LAT= 36.0	U=	10.427 / 1.2	V =	16.118 / .6	W=	.195164 / 11.5	Ţ=	19.302 / 15.
LAT= 42.0	U=	9.315 / 20.9	V =	26.602 / 24.0	₩=	.184495 / 11.7	T =	20.426 / 15.
LAT= 48.0	U≃	16.688 / 18.7	V =	36.495 / 23.7	W=	.166935 / 12.0	T=	21.695 / 15.
LAT= 54.0	U≖	25.475 / 17.9	V =	45.713 / 23.6	W=	.143451 / 12.3	T=	22.690 / 14.
LAT= 60.0	U=	35.970 / 17.9	V =	54.406 / 23.5	W=	.117747 / 12.5	T=	21.901 / 14.
LAT= 66.0	U=	46.245 / 17.8	V =	62.272 / 23.6	W =	.094736 / 12.8	T≃	19.520 / 14.
LAT= 72.0	U=	56.591 / 17.8	V =	69.573 / 23.6	W=	.076045 / 13.6	T =	15.633 / 13.
LAT= 78.0	U=	65.963 / 17.7	V =	75.885 / 23.6	W=	.052777 / 14.2	T=	9.928 / 13.
Z= 141.772	ΚM							
LAT= 0.0	U=	18.854 / 1.0	V =	.002 / 14.3	W=	.471222 / 14.4	T=	45.981 / 12.
LAT= 6.0	U=	20.408 / 1.0	V =	10.284 / 6.6	W=	.442047 / 14.3	Ť=	43.852 / 12.
LAT= 12.0	U=	23.873 / 1.0	V =	16.906 / 6.2	w- W=	.373752 / 13.8	Te	39.441 / 13.
LAT= 18.0	U=	26.426 / .7	V =	18.919 / 5.4	w =	.303666 / 13.1	T=	36.651 / 14.
LAT= 18.0	U=	26.151 / .3	V =	19.214 / 3.9	w =	.259185 / 12.3	Te	36.540 / 14.
LAT= 30.0	U=	23.331 / 23.5	V = V =	22.482 / 2.1	W=	.238344 / 11.8	T=	37.282 / 15.
	U=	21.054 / 22.1						
LAT= 36.0	U= U=		V =	29.544 / .9	₩≈	.226453 / 11.7	T =	37,739 / 15.
LAT= 42.0	-	23.200 / 20.4	V =	38.650 / .3	W=	.219745 / 11.9	T≖ T-	37.219 / 15.
LAT= 48.0	U=	29.238 / 19.2	V =	48.257 / 24.0	W=	.206090 / 12.1	Ţ=	36.502 / 14.
LAT= 54.0	U=	37.081 / 18.6	٧×	57.951 / 23.8	W=	.183088 / 12.2	Ţ=	35.442 / 14.
LAT= 60.0	U=	48.025 / 18.3	V =	67.656 / 23.8	W =	.153617 / 12.3	Ţ=	32.724 / 14.
LAT= 66.0	U= U=	59.532 / 18.1	V =	76.783 / 23.7	W=	.127499 / 12.5	T=	28.530 / 14.
. AT			V =		W=		T =	
LAT= 72.0 LAT= 78.0	U=	71.588 / 18.1 82.223 / 17.9	v =	85.471 / 23.7 93.063 / 23.7	W=	.106212 / 13.0 .077076 / 13.4	T-	22.916 / 13. 15.050 / 13.

Table B1. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\rm O}N$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 149.425	KM				
LAT= 0.0	U= 25.518 / 23.7	v= .004 / 1	4.7 w=	.608092 / 13.5	T= 51.000 / 13.
LAT= 6.0	U= 26.983 / 23.7	V= 11.676 /	4.1 W=	.574636 / 13.4	T= 51.045 / 13.
LAT= 12.0	U= 30.560 / 23.6	V= 20.922 /	3.8 W=	.492401 / 13.2	T= 51.572 / 13.
LAT= 18.0	U= 33.770 / 23.3	V= 27.032 /	3.2 W=	.400690 / 12.7	T= 53.321 / 14.
LAT= 24.0	U= 34.715 / 22.8	V= 31.244 /	2.4 W=	.332744 / 12.4	T= 55.263 / 14.
LAT= 30.0	U= 34.029 / 22.2	V= 36.322 /	1.5 W=	.296822 / 12.1	T= 55.904 / 14.
LAT= 36.0	U= 33.930 / 21.3	V= 43.048 /	.9 W=	.281521 / 12.0	T= 55.187 / 14.
LAT= 42.0	U= 36.911 / 20.3	V= 51.183 /	.4 w=	.276945 / 12.1	T= 53.300 / 14.
LAT= 48.0	U= 42.459 / 19.5	V= 60.531 /	.1 W=	.264443 / 12.1	T= 50.675 / 14.
LAT= 54.0	U= 49,935 / 18.9	V= 70.655 /	0.0 W=	.238980 / 12.1	T= 47.452 / 14.
LAT= 60.0	U= 61.428 / 18.6	V= 81.359 / 2	4.0 W=	.203807 / 12.1	T= 42.707 / 14.
LAT= 66.0	U= 74.158 / 18.4	V= 91.802 / 2		.173718 / 12.1	T= 36.857 / 13.
LAT= 72.0	U= 87.978 / 18.3	V= 102.001 / 2	3.9 W=		T= 29.886 / 13.
LAT= 78.0	U= 99.841 / 18.1	V= 111.025 / 2	3.9 W=	.114088 / 12.6	T= 20.342 / 13.
Z= 158.420	KM				
LAT= 0.0	U= 33.496 / 23.0	v= .006 / 1	4.7 W=	.753591 / 12.7	T= 62.077 / 13.
LAT= 6.0	U= 34.811 / 22.9	V= 13.721 /	2.5 W=	.716358 / 12.7	T= 63.399 / 13.
LAT= 12.0	U= 38.269 / 22.6	V= 25.272 /	2.3 W=	.624634 / 12.6	T= 66.518 / 14.
LAT= 18.0	U= 41.943 / 22.2	V= 33.871 /	1.9 W=	.518412 / 12.5	T= 70.372 / 14.
LAT= 24.0	U= 44.152 / 21.9	V= 40.357 /	1.5 W=	.435341 / 12.3	T= 73.164 / 14.
LAT= 30.0	U= 44.999 / 21.4	V= 46.696 /	1.0 W=	.389745 / 12.1	T= 73.348 / 14.
LAT= 36.0	U= 46.353 / 20.7	v= 53.781 /	.6 w=		T= 71.298 / 14.
LAT= 42.0	U= 50.333 / 20.2	V= 62.137 /	.5 W=	.364076 / 12.0	T= 68.048 / 14.
LAT= 48.0	U= 55.982 / 19.6	V= 71.773 /	.3 W≖		Te 63.508 / 14.
LAT= 54.0	U= 63.479 / 19.1	V= 82.582 /	.3 W=		T= 57.957 / 14.
LAT= 60.0	U= 75.473 / 18.9	V= 94.451 /	.2 W=		T= 50.976 / 14.
LAT= 66.0	U= 89.298 / 18.7	V= 106.335 /	.2 W=		T= 43.506 / 13.
LAT= 72.0	U= 104.913 / 18.4	V= 118.212 /	.1 W=		T= 35.581 / 13.
LAT= 78.0	U= 117.926 / 18.2	V= 128.888 /	.1 W=		T= 24.964 / 13.
2010		, , , , , , , , , , , , , , , , , , , ,		, , , ,	
Z= 181.310	K M				
LAT= 0.0	U= 48.022 / 22.0	v= .007 / 1	4.8 w=	1.133871 / 11.5	T= 90.193 / 14.
LAT= 6.0	U= 48.714 / 21.8	V= 16.872 /		1.084456 / 11.5	T= 92.372 / 14.
LAT= 12.0	U= 51.302 / 21.5	V= 31.591 /	.6 W=		T= 96.773 / 14.
LAT= 18.0	U= 54.649 / 21.3	V= 43.122 /	.6 W=		T= 101.055 / 14.
	U= 58.030 / 20.9	V= 51.919 /	.6 w=	,	T= 103.269 / 14.
	U= 61.283 / 20.6	V= 59.768 /	.5 w=		T= 101.648 / 14.
LAT= 24.0		V= 67.819 /	.5 W=		T= 96.845 / 14.
LAT= 24.0 LAT= 30.0	Dis 65.157 / 20.3		.5 W=	.618709 / 11.6	
LAT= 24.0 LAT= 30.0 LAT= 36.0	U= 65.157 / 20.3 U= 71.573 / 20.0	V- 76 998 /			
LAT = 24.0 LAT = 30.0 LAT = 36.0 LAT = 42.0	U= 71.573 / 20.0	V= 76.998 /			T= 91.248 / 14.1
LAT = 24.0 LAT = 30.0 LAT = 36.0 LAT = 42.0 LAT = 48.0	U= 71.573 / 20.0 U= 78.702 / 19.7	V= 88.002 /	.5 w≈	.588183 / 11.4	T= 82.700 / 14.
LAT = 24.0 LAT = 30.0 LAT = 36.0 LAT = 42.0 LAT = 48.0 LAT = 54.0	U= 71.573 / 20.0 U= 78.702 / 19.7 U= 86.968 / 19.4	V= 88.002 / V= 100.719 /	.5 W=	.588183 / 11.4 .528302 / 11.3	T= 82.700 / 14. T= 71.504 / 14.
LAT = 24.0 LAT = 30.0 LAT = 36.0 LAT = 42.0 LAT = 48.0 LAT = 54.0 LAT = 60.0	U= 71.573 / 20.0 U= 78.702 / 19.7 U= 86.968 / 19.4 U= 99.764 / 19.2	V= 88.002 / V= 100.719 / V= 115.054 /	.5 W= .5 W= .4 W=	.588183 / 11.4 .528302 / 11.3 .457439 / 11.0	T= 82.700 / 14. T= 71.504 / 14. T= 59.051 / 13.
LAT = 24.0 LAT = 30.0 LAT = 36.0 LAT = 42.0 LAT = 48.0 LAT = 54.0	U= 71.573 / 20.0 U= 78.702 / 19.7 U= 86.968 / 19.4	V= 88.002 / V= 100.719 /	.5 W=	.588183 / 11.4 .528302 / 11.3 .457439 / 11.0 .410102 / 10.8	T= 82.700 / 14. T= 71.504 / 14.

Table B1. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

```
Z= 209.865 KM
                                U= 53.575 / 21.5

U= 53.727 / 21.3

U= 55.322 / 21.0

U= 58.020 / 20.7

U= 62.211 / 20.4

U= 67.428 / 20.3

U= 73.933 / 20.1

U= 83.283 / 20.0

U= 92.171 / 19.8

U= 101.107 / 19.5

U= 114.279 / 19.3
                                                                                                .008 / 15.2
16.633 / 23.7
31.293 / 23.8
43.134 / 0.0
                                                                                                                                             W= 1.507425 / 10.7
W= 1.454737 / 10.7
W= 1.329497 / 10.9
W= 1.186667 / 11.1
                                                                                                                                                                                                         T= 111.533 / 14.4
LAT= 0.0
                                                                                                                                                                                                         T= 113.785 / 14.4
T= 117.657 / 14.3
T= 120.673 / 14.3
LAT= 6.0
LAT= 12.0
                                                                                        V=
LAT= 18.0
                                                                                        V =
LAT= 24.0
LAT= 30.0
LAT= 36.0
                                                                                                                                               W= 1.084494 / 11.3
W= 1.025792 / 11.3
W= .995942 / 11.2
                                                                                                                                                                                                         T= 121.738 / 14.3
T= 118.296 / 14.2
T= 111.069 / 14.2
                                                                                                  52.814 /
62.031 /
                                                                                        ٧×
                                                                                                                                  . 4
                                                                                                                                                                                                         T= 104.090 / 14.1

T= 104.090 / 14.1

T= 91.865 / 14.1

T= 74.792 / 14.1

T= 57.258 / 14.1

T= 44.297 / 14.1
                                                                                                                                                          .970237 / 11.0
.902426 / 10.8
.782717 / 10.6
                                                                                                  82.779 /
95.655 /
                                                                                                                                  .6
LAT= 42.0
                                                                                        ٧×
LAT= 48.0
                                                                                                                                                W=
                                                                                        V= 110.275 /
LAT= 54.0
                                                                                                                                                          .782717 / 10.6
.659833 / 10.4
.587298 / 10.2
.564131 / 10.2
.502451 / 10.2
                                U= 114.279 / 19.3
U= 131.559 / 19.1
U= 153.335 / 18.8
U= 170.447 / 18.6
                                                                                        V= 126.596 /
V= 143.681 /
V= 161.441 /
                                                                                                                                 .6
LAT= 60.0
                                                                                                                                                W=
LAT= 66.0
                                                                                                                                                                                                         T= 35.842 / 14.1
T= 24.992 / 14.1
                                                                                        V= 178.161
Z= 240.988 KM
                                        53.103 / 21.1
52.905 / 20.9
53.815 / 20.6
56.220 / 20.3
61.117 / 20.2
68.127 / 20.1
77.293 / 20.1
                                                                                       V= .009 / 15.5

V= 15.785 / 23.1

V= 29.685 / 23.4

V= 41.108 / 23.7

V= 51.167 / .1

V= 61.487 / .4

V= 72.811 / .7
                                                                                                                                               W= 1.916787 / 10.2
W= 1.861370 / 10.3
LAT= 0.0
                                                                                                                                                                                                         T= 121.910 / 14.4
                                                                                                                                                                                                         T= 124.172 / 14.4
T= 127.441 / 14.4
T= 129.230 / 14.4
LAT= 6.0
                                                                                                                                               W= 1.728448 / 10.5
W= 1.577951 / 10.7
W= 1.479880 / 10.8
LAT= 12.0
                                 Ŭ=
U=
LAT= 18.0
LAT= 24.0
                                                                                                                                                                                                         T= 129.230 / 14.4
T= 129.645 / 14.3
T= 125.152 / 14.2
T= 116.385 / 14.2
T= 108.698 / 14.2
T= 94.129 / 14.1
T= 73.079 / 14.3
T= 39.328 / 14.3
T= 31.521 / 14.5
T= 21.546 / 14.6
                                                                                                                                              W= 1.4/9880 / 10.8
W= 1.420305 / 10.8
W= 1.385481 / 10.7
W= 1.340892 / 10.6
W= 1.220472 / 10.4
W= 1.016064 / 10.2
W= .821688 / 9.9
W= .715387 / 9.7
W= .693155 / 9.7
W= .693155 / 9.7
                                 Ü≠
U=
LAT= 30.0
LAT = 36.0
                                 U= 89.359 / 20.0
U= 99.774 / 19.8
U= 108.778 / 19.6
                                                                                                   85.681 /
                                                                                                                                  . 8
                                                                                        V= 100.109 /
V= 116.007 /
                                                                                                                                  .8
LAT= 48.0
LAT= 54.0
LAT= 60.0
                                 U= 121.702 / 19.3
                                                                                        V= 133.310 /
                                                                                                                                  . 8
                                 U= 139.795 / 19.1
U= 162.991 / 18.9
U= 181.184 / 18.7
LAT= 66.0
LAT= 72.0
                                                                                        V= 151.417 /
V= 170.298 /
                                                                                                                                  .8
.7
                                                                                                188.275 /
                                                                                                                                                           .621262 /
7= 272.801 KM
                                U= 53.181 / 20.9

U= 52.815 / 20.8

U= 53.396 / 20.5

U= 55.686 / 20.2

U= 61.377 / 20.1
                                                                                       V= .009 / 15.6

V= 15.266 / 23.1

V= 28.817 / 23.4

V= 49.238 / 23.8

V= 50.822 / .2
                                                                                                                                               W= 2.346809 / 10.0
W= 2.291467 / 10.1
W= 2.156330 / 10.2
                                                                                                                                                                                                         T= 125.659 / 14.5
T= 127.990 / 14.5
T= 130.794 / 14.5
LAT: 0.0
LAT: 6.0
LAT= 12.0
                                                                                                                                                                                                         T= 131.684 / 14.4
T= 131.926 / 14.3
LAT= 18.0
LAT= 24.0
                                                                                                                                               W= 1.999405 / 10.4
W= 1.904583 / 10.5
                                           69.809 / 20.0
80.877 / 20.0
94.628 / 19.9
                                                                                                                                               W= 1.840414 / 10.5
W= 1.792865 / 10.4
W= 1.719805 / 10.3
                                                                                                                                                                                                         T= 126.582 / 14.3
T= 117.176 / 14.3
T= 108.985 / 14.3
T= 93.366 / 14.2
LAT= 30.0
                                 U=
                                                                                                   62.304 /
LAT= 36.0
LAT= 42.0
                                                                                                   35.074 /
89.245 /
                                 U=
                                                                                        V=
                                                                                                                                                                                                         T= 93.366 / 14.2
T= 70.716 / 14.2
T= 50.999 / 14.4
T= 37.475 / 14.6
T= 29.894 / 14.7
                                                                                                                                                W= 1.537483 / 10.1
W= 1.235249 / 9.9
W= .961449 / 9.6
LAT= 48.0
                                 U= 105.800
                                                              / 19.8
                                                                                        V= 104.663 /
                                                                                                                                  .9
                                U= 114.511 / 19.7

U= 127.105 / 19.5

U= 145.285 / 19.2

U= 169.350 / 18.9

U= 188.205 / 18.7
                                                                                       V= 121.246 /
V= 138.907 /
V= 157.383 /
V= 176.646 /
                                                                                                                                  . 9
LAT= 54.0
LAT= 60.0
                                                                                                                                                          .814152 /
.789221 /
.703524 /
LAT= 66.0
LAT= 72.0
                                                                                                                                  .8
                                                                                                                                                                                        9.4
9.3
                                                                                                                                                W=
```

Table B1. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

```
Z= 304.762 KM
                                                                                    .010 / 15.7
14.966 / 23.2
28.594 / 23.5
40.495 / 23.9
51.737 / .3
64.134 / .6
                             U= 55.232 / 20.8

U= 55.052 / 20.6

U= 55.957 / 20.4

U= 58.354 / 20.1

U= 64 /00 / 20.0

U= 73.825 / 20.0
                                                                                                                                                                               T= 126.542 / 14.6

T= 128.871 / 14.5

T= 131.478 / 14.5

T= 131.839 / 14.5

T= 132.071 / 14.5

T= 126.814 / 14.4
                                                                                                                              W= 2.776750 / 10.0
                                                                                                                              W= 2.729882 / 10.0
W= 2.600430 / 10.1
W= 2.442120 / 10.2
LAT= 6.0
                                                                             ٧×
IAT= 12.0
                                                                             ٧=
                                                                              ٧×
                                                                                                                              W= 2.350715 / 10.3
W= 2.277999 / 10.3
W= 2.211239 / 10.2
LAT= 24.0
LAT= 30.0
                                                                             V= 77.962 /
V= 93.146 /
V= 109.287 /
                                                                                                                                                                                T= 116.783 / 14.3
T= 108.465 / 14.3
T= 92.796 / 14.2
                             U= 85.657 /
U= 100.249 /
 LAT= 36.0
                                                            20.0
                                                                                                                            W= 2.211239 / 1

W= 2.108817 / 1

W= 1.859720 / 2

W= 1.456280 / 2

W= 1.099317 / 3

W= .909215 / 3

W= .876003 / 3

W= .772789 / 3
                                                                                                              1.0
 LAT= 42.0
                                                            19.9
                                                                                                                                                               10.0
                             U= 111.584 /
                                                            19.8
LAT= 48.0
                                                                                                               1.0
                                                                                                                                                                 9.9
                            U= 119.791 / 19.7

U= 131.922 / 19.5

U= 150.116 / 19.2

U= 174.669 / 18.9

U= 193.947 / 18.7
 LAT= 54.0
                                                                             V= 126.314 /
                                                                                                                                                                                          70.195 / 14.3
                                                                             V= 144.117 /
V= 162.746 /
V= 182.184 /
V= 201.076 /
                                                                                                               . 9
                                                                                                                                                                9.3
                                                                                                                                                                                         50.499 / 14.5
37.001 / 14.7
LAT= 60.0
                                                                                                                                                                                T=
LAT= 66.0
                                                                                                                                                                                         29.452 / 14.8
20.019 / 15.1
LAT= 72.0
                                                                                                                                                                  9.0
1AT= 78.0
                                                                                                                                                                 9.1
Z= 336.754 KM
                                                                                                                           W= 3.257045 / 9.9
W= 3.205287 / 9.9
W= 3.067137 / 10.0
W= 2.895575 / 10.1
W= 2.796795 / 10.2
W= 2.709291 / 10.2
W= 2.490610 / 9.9
W= 2.180246 / 9.8
W= 1.681368 / 9.5
W= 1.243609 / 9.1
W= 1.243607 / 8.8
W= .965007 / 8.8
                                                                                      .010 / 15.7
15.154 / 23.3
29.071 / 23.6
41.407 / 24.0
                                      57.922 / 20.7
                                                                                                                                                                                T= 127.800 / 14.6
LAT= 0.0
                                                                                                                                                                                T= 130.191 / 14.6
T= 132.743 / 14.6
T= 133.009 / 14.6
                             U= 57.724 /
U= 58.617 /
                                                            20.6
LAT=
              6.0
LAT= 12.0
LAT= 18.0
                                                                             V =
V =
                             U= 61.088 /
                                                            20.2
                            U= 67.788 /
U= 77.400 /
                                                                                       53.264 /
66.384 /
80.993 /
                                                                                                                                                                                T= 133.176 / 14.5
T= 127.861 / 14.4
T= 117.685 / 14.4
LAT= 24.0
                                                            20.0
LAT= 30.0
LAT= 36.0
                                                            20.0
                                                                             V =
                                                                                                                  . в
                                      89.845 /
                                                                                                              1.0
                                                                            V= 80.993 /
V= 96.990 /
V= 113.664 /
V= 130.982 /
V= 148.879 /
V= 167.629 /
V= 187.218 /
V= 206.384 /
                            U= 105.017 /
U= 116.473 /
U= 124.347 /
                                                                                                                                                                                T= 109.316 / 14.4
T= 93.519 / 14.3
T= 70.691 / 14.3
LAT= 42.0
                                                            20.0
                                                            19.8
LAT= 48.0
                                                                                                               1.0
                                                                                                               1.0
LAT= 54.0
                            U= 136.141 / 19.4
U= 154.522 / 19.2
U= 179.423 / 19.0
U= 198.809 / 18.8
                                                                                                                                                                                T= 50.802 / 14.5
T= 37.165 / 14.7
T= 29.557 / 14.9
LAT# 60.0
                                                                                                                                                                                T=
T=
LAT= 66.0
LAT= 72.0
                                                                                                                . 9
. 8
LAT= 78.0
                                                                                                                                                                                          20.110 / 15.2
Z= 368.753 KM
                                                                            V= .010 / 15.7
V= 15.523 / 23.3
V= 29.658 / 23.7
                                                                                                                             W= 3.732910 /
W= 3.680937 /
W= 3.534892 /
LAT= 0.0
LAT= 6.0
                                      60.496 / 20.7
60.307 / 20.6
                                                                                                                                                                 9.8
9.9
                                                                                                                                                                               T= 130.010 / 14.6
T= 132.409 / 14.6
                             Ū=
                                      61.249 / 20.4
63.964 / 20.1
70.704 / 20.0
LAT= 12.0
                             U=
                                                                                                                                                                                T= 134.916 / 14.6
                                                                                                                             W= 3.348081 / 10.1
LAT= 18.0
                             U=
                                                                            V= 42.190 /
V= 54.865 /
                                                                                                                                                                                T= 135.085 / 14.6
T= 135.182 / 14.5
                                                                                                                             W= 3.39793 / 10.1
W= 3.135558 / 10.0
W= 3.022361 / 10.0
LAT= 24.0
                             U≠
                            U= 80.533 / 20.0
U= 93.402 / 20.0
U= 108.981 / 20.0
LAT= 30.0
                                                                                      68.611 /
                                                                            V= 83.770 /
V= 100.311 /
V= 117.410 /
                                                                                                                                                                               T= 119.405 / 14.4
T= 110.929 / 14.4
                                                                                                            1.0
LAT= 36.0
LAT= 42.0
                                                                                                                             W= 2.867027 /
W= 2.499432 /
W= 1.911761 /
                                                                                                               1.0
                                                                                                                                                                 9.8
                            U= 100.548 / 19.8

U= 120.548 / 19.8

U= 128.239 / 19.7

U= 140.011 / 19.5

U= 158.336 / 19.3

U= 183.760 / 19.0

U= 203.480 / 18.8
 LAT= 48.0
                                                                            V= 135.037 /
V= 153.088 /
V= 172.017 /
V= 191.808 /
V= 211.262 /
                                                                                                                                                                                T= 71.709 / 14.4
T= 51.526 / 14.6
T= 37.643 / 14.7
LAT= 54.0
                                                                                                               1.0
                                                                                                                                                                 9.4
                                                                                                                            W= 1.911761 /
W= 1.398428 /
W= 1.120959 /
W= 1.060744 /
W= .914214 /
                                                                                                                                                                 9.0
LAT= 60.0
                                                                                                                . 9
 LAT= 66.0
                                                                                                                 .8
                                                                                                                                                                                        29.940 / 14.9
20.374 / 15.2
                                                                                                                                                                 8.6
LAT= 72.0
```

Table B1. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

```
Z= 400.753 KM

LAT= 0.0 U= 62.662 / 20.7 V= .011 / 15.7 W= 4.199479 / 9.8 T= 132.652 / 14.6 LAT= 6.0 U= 62.557 / 20.5 V= 15.795 / 23.4 W= 4.147117 / 9.8 T= 135.058 / 14.6 LAT= 12.0 U= 63.602 / 20.3 V= 30.249 / 23.7 W= 3.992508 / 9.9 T= 137.515 / 14.6 LAT= 18.0 U= 66.170 / 20.1 V= 43.157 / .1 W= 3.789440 / 10.0 T= 137.575 / 14.6 LAT= 24.0 U= 73.073 / 20.0 V= 55.943 / .6 W= 3.670515 / 10.0 T= 137.594 / 14.5 LAT= 30.0 U= 83.131 / 20.0 V= 70.241 / .9 W= 3.548609 / 9.9 T= 132.027 / 14.4 LAT= 36.0 U= 96.269 / 20.0 V= 86.084 / 1.0 W= 3.410485 / 9.9 T= 121.492 / 14.4 LAT= 42.0 U= 112.199 / 20.0 V= 103.076 / 1.0 W= 3.231158 / 9.7 T= 112.881 / 14.4 LAT= 48.0 U= 123.905 / 19.9 V= 120.563 / 1.0 W= 2.811204 / 9.5 T= 96.569 / 14.3 LAT= 54.0 U= 131.550 / 19.7 V= 138.515 / 1.0 W= 2.811204 / 9.5 T= 96.569 / 14.3 LAT= 60.0 U= 143.357 / 19.5 V= 156.793 / .9 W= 1.560270 / 9.0 T= 52.425 / 14.6 LAT= 66.0 U= 161.911 / 19.3 V= 175.972 / .9 W= 1.237832 / 8.6 T= 38.292 / 14.7 LAT= 72.0 U= 187.770 / 19.0 V= 196.035 / .8 W= 1.161770 / 8.6 T= 30.453 / 14.9 LAT= 78.0 U= 207.795 / 18.8 V= 215.808 / .7 W= .991414 / 8.6 T= 20.726 / 15.2
```

Table B2. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km at the December Solstice

LAT=-78.0									
AT=-78.0	Z= 0.000	KM							
LAT=-72.0									
LAT=-72.0	LAT=-78.0	U=	.088 / 17.7	٧×	.092 / 11.6	W =	.000002 / 9.4	T=	.058 / 20.4
LAT-=66.0 U = .068 / 18.5 V = .078 / 12.2 W = .000011 / 9.4 T = .095 / 20.5 LAT-=60.0 U = .061 / 18.6 V = .072 / 12.3 W = .000023 / 9.4 T = .103 / 20.6 LAT-=54.0 U = .048 / 17.5 V = .069 / 11.7 W = .000080 / 9.4 T = .106 / 20.7 LAT-=48.0 U = .048 / 17.5 V = .069 / 11.7 W = .000080 / 9.4 T = .106 / 20.7 LAT-=48.0 U = .048 / 17.5 V = .069 / 11.7 W = .000080 / 9.4 T = .106 / 20.9 LAT-=42.0 U = .062 / 16.1 V = .079 / 10.8 W = .000127 / 9.4 T = .097 / 21.1 LAT-=36.0 U = .133 / 14.9 V = .147 / 9.4 W = .000167 / 9.4 T = .084 / 21.4 LAT-=30.0 U = .135 / 14.6 V = .217 / 9.0 W = .000176 / 9.4 T = .068 / 21.3 LAT-=18.0 U = .152 / 14.6 V = .217 / 9.0 W = .000176 / 9.4 T = .068 / 21.3 LAT-=12.0 U = .152 / 14.6 V = .217 / 9.0 W = .000176 / 9.4 T = .068 / 21.3 LAT-=12.0 U = .068 / 14.3 V = .123 / 9.0 W = .000244 / 21.3 T = .069 / 20.7 LAT-=6.0 U = .062 / 14.4 V = .103 / 20.5 W = .000244 / 21.3 T = .069 / 19.2 LAT = 6.0 U = .062 / 14.4 V = .103 / 20.5 W = .00033 / 21.3 T = .099 / 19.0 LAT = 6.0 U = .062 / 14.4 V = .103 / 20.5 W = .000433 / 21.3 T = .099 / 19.0 LAT = 18.0 U = .155 / 14.5 V = .211 / 20.6 W = .000244 / 21.3 T = .068 / 19.5 LAT = 18.0 U = .167 / 14.5 V = .169 / 20.5 W = .000434 / 21.3 T = .069 / 20.7 LAT = 30.0 U = .167 / 14.5 V = .169 / 20.6 W = .000244 / 21.3 T = .069 / 20.7 LAT = 30.0 U = .167 / 14.5 V = .169 / 20.6 W = .000244 / 21.3 T = .069 / 19.2 LAT = 18.0 U = .062 / 14.4 V = .103 / 20.5 W = .000433 / 21.3 T = .069 / 19.5 LAT = 18.0 U = .062 / 14.4 V = .103 / 20.5 W = .000433 / 21.3 T = .069 / 19.5 LAT = 18.0 U = .062 / 14.4 V = .103 / 20.5 W = .000034 / 21.3 T = .069 / 19.5 LAT = 18.0 U = .167 / 14.5 V = .110 / 20.6 W = .000034 / 21.3 T = .068 / 19.5 LAT = 18.0 U = .167 / 14.5 V = .110 / 20.6 W = .000034 / 21.3 T = .069 / 20.6 U = .040 / 15.5 V = .211 / 20.6 W = .000034 / 21.3 T = .069 / 20.6 U = .040 / 15.5 V = .055 / 22.5 W = .000090 / 9.4 T = .064 / 21.3 LAT = 80.0 U = .064 / 15.5 V = .055 / 22.5 W = .000090 / 9.4 T = .064 / 21.3 LAT = 80.0 U = .064 / 15.5 V = .055 / 22.5 W = .000090 / 9.4 T = .064 / 2	LAT=-72.0	U=	.077 / 18.2	V=	.085 / 11.9	W=		T=	
LAT=-60.0 U= .061 / 18.6 V= .072 / 12.3 W= .000023 / 9.4 T= .103 / 20.6 LAT=-54.0 U= .059 / 18.1 V= .070 / 12.1 W= .000003 / 9.4 T= .106 / 20.7 LAT=-48.0 U= .062 / 16.1 V= .079 / 10.8 W= .000127 / 9.4 T= .106 / 20.7 LAT=-48.0 U= .062 / 16.1 V= .079 / 10.8 W= .000127 / 9.4 T= .097 / 21.1 LAT=-38.0 U= .103 / 14.2 V= .106 / 10.0 W= .000167 / 9.4 T= .097 / 21.1 LAT=-38.0 U= .155 / 14.6 V= .190 / 9.1 W= .000176 / 9.4 T= .084 / 21.4 LAT=-30.0 U= .156 / 14.7 V= .190 / 9.1 W= .000176 / 9.4 T= .068 / 21.3 LAT=-18.0 U= .152 / 14.6 V= .190 / 9.1 W= .000176 / 9.4 T= .068 / 21.3 LAT=-18.0 U= .152 / 14.6 V= .198 / 9.0 W= .00034 / 21.3 T= .069 / 20.7 LAT=-12.0 U= .115 / 14.6 V= .198 / 9.0 W= .00034 / 21.3 T= .069 / 20.7 LAT=-12.0 U= .047 / 14.2 V= .013 / 10.9 W= .00033 / 21.3 T= .099 / 19.0 LAT= 6.0 U= .066 / 14.4 V= .103 / 20.5 W= .00033 / 21.3 T= .099 / 19.0 LAT= 6.0 U= .066 / 14.4 V= .103 / 20.5 W= .00034 / 21.3 T= .0099 / 19.0 LAT= 6.0 U= .047 / 14.6 V= .184 / 20.6 W= .00034 / 21.3 T= .068 / 19.5 LAT= 24.0 U= .155 / 14.5 V= .190 / 20.7 W= .00034 / 21.3 T= .068 / 19.5 LAT= 24.0 U= .155 / 14.5 V= .190 / 20.7 W= .000176 / 9.4 T= .046 / 22.0 LAT= 36.0 U= .055 / 14.5 V= .190 / 20.7 W= .000176 / 9.4 T= .046 / 22.0 LAT= 36.0 U= .043 / 16.7 V= .048 / 22.5 W= .00034 / 21.3 T= .049 / 20.5 LAT= 24.0 U= .055 / 14.5 V= .107 / 21.1 W= .000167 / 9.4 T= .046 / 22.0 LAT= 36.0 U= .043 / 16.7 V= .048 / 23.8 W= .00076 / 9.4 T= .046 / 22.0 LAT= 36.0 U= .043 / 16.7 V= .048 / 23.8 W= .000176 / 9.4 T= .046 / 22.0 LAT= 36.0 U= .043 / 16.7 V= .048 / 23.8 W= .000077 / 9.4 T= .064 / 21.3 LAT= 48.0 U= .055 / 18.0 V= .055 / 22.5 W= .000031 / 19.4 T= .064 / 21.3 LAT=-6.0 U= .056 / 18.0 V= .055 / 22.5 W= .000031 / 19.4 T= .077 / 20.8 LAT=-6.0 U= .064 / 17.6 V= .068 / 22.0 W= .000002 / 9.4 T= .077 / 20.6 LAT=-78.0 U= .056 / 18.0 V= .056 / 22.0 W= .00002 / 9.4 T= .077 / 20.6 LAT=-98.0 U= .056 / 18.0 V= .056 / 22.0 W= .00003 / 9.4 T= .077 / 20.6 LAT=-98.0 U= .056 / 18.0 V= .056 / 22.0 W= .000000 / 9.4 T= .00000 / 9.4 T= .000000 / 9.4 T= .000000 / 9.4 T= .0	LAT=-66.0	U=	.068 / 18.5	V =		W=	.000011 / 9.4	T=	.095 / 20.5
LAT=-84.0 U= .059 / 18.1 V= .070 / 12.1 W= .000043 / 9.4 T= .106 / 20.7 LAT=-48.0 U= .048 / 17.5 V= .069 / 11.7 W= .000080 / 9.4 T= .104 / 20.9 LAT=-30.0 U= .062 / 16.1 V= .079 / 10.8 W= .000127 / 9.4 T= .097 / 21.1 LAT=-36.0 U= .100 / 15.2 V= .106 / 10.0 W= .000167 / 9.4 T= .094 / 21.4 LAT=-30.0 U= .133 / 14.9 V= .147 / 9.4 W= .000176 / 9.4 T= .084 / 21.4 LAT=-30.0 U= .156 / 14.7 V= .190 / 9.1 W= .000176 / 9.4 T= .068 / 21.3 LAT=-18.0 U= .156 / 14.7 V= .190 / 9.1 W= .000176 / 9.4 T= .068 / 21.3 LAT=-18.0 U= .152 / 14.6 V= .217 / 9.0 W= .000034 / 21.3 T= .069 / 20.7 LAT=-18.0 U= .152 / 14.6 V= .217 / 9.0 W= .000034 / 21.3 T= .069 / 20.7 LAT=-18.0 U= .068 / 14.3 V= .123 / 9.0 W= .000244 / 21.3 T= .069 / 19.8 LAT= -6.0 U= .064 / 14.4 V= .103 / 20.5 W= .000343 / 21.3 T= .099 / 19.0 LAT= 6.0 U= .062 / 14.4 V= .103 / 20.5 W= .000344 / 21.3 T= .069 / 19.2 LAT= 12.0 U= .107 / 14.6 V= .184 / 20.6 W= .000244 / 21.3 T= .068 / 19.5 LAT= 18.0 U= .146 / 14.6 V= .184 / 20.6 W= .000244 / 21.3 T= .068 / 19.5 LAT= 18.0 U= .146 / 14.6 V= .199 / 20.7 W= .000034 / 21.3 T= .068 / 19.5 LAT= 18.0 U= .146 / 14.6 V= .199 / 20.7 W= .000034 / 21.3 T= .068 / 19.5 LAT= 18.0 U= .146 / 14.6 V= .199 / 20.7 W= .000034 / 21.3 T= .068 / 19.5 LAT= 48.0 U= .075 / 14.8 V= .199 / 20.7 W= .000034 / 21.3 T= .068 / 19.5 LAT= 48.0 U= .062 / 14.4 V= .103 / 20.6 W= .000034 / 21.3 T= .068 / 19.5 LAT= 48.0 U= .064 / 17.6 V= .107 / 21.1 W= .000034 / 21.3 T= .068 / 22.0 U= .075 / 14.8 V= .107 / 21.1 W= .000034 / 21.3 T= .068 / 22.0 U= .075 / 14.8 V= .073 / 21.6 W= .000034 / 21.3 T= .068 / 22.0 U= .075 / 14.8 V= .073 / 21.6 W= .000034 / 21.3 T= .068 / 22.0 U= .075 / 14.8 V= .000034 / 19.4 T= .044 / 21.3 T= .044 / 21.3 U= .044 / 21.3 T= .046 / 22.0 U= .075 / 14.8 V= .073 / 21.6 W= .000034 / 21.3 T= .048 / 22.0 U= .075 / 14.8 V= .000034 / 21.3 T= .068 / 22.0 U= .000034 / 21.3 T= .048 / 22.0 U= .000034 / 21.3 T= .048 / 22.0 U= .000034 / 21.3 T= .048 / 22.0 U=	LAT=-60.0	U≖	.061 / 18.6	V=	.072 / 12.3	W=	.000023 / 9.4	T=	
LAT=-22.0 U= .062 / 16.1 V= .079 / 10.8 W= .000127 / 9.4 T= .097 / 21.1 LAT=-36.0 U= .100 / 15.2 V= .106 / 10.0 W= .000167 / 9.4 T= .098 / 21.4 LAT=-22.0 U= .156 / 14.7 V= .190 / 9.1 W= .000176 / 9.4 T= .068 / 21.3 LAT=-18.0 U= .156 / 14.7 V= .190 / 9.1 W= .000176 / 9.4 T= .068 / 21.3 LAT=-18.0 U= .152 / 14.6 V= .217 / 9.0 W= .000034 / 21.3 T= .069 / 20.7 LAT=-12.0 U= .115 / 14.6 V= .198 / 9.0 W= .000034 / 21.3 T= .069 / 20.7 LAT=-12.0 U= .066 / 14.3 V= .123 / 9.0 W= .000034 / 21.3 T= .099 / 19.0 LAT= .6.0 U= .066 / 14.3 V= .123 / 9.0 W= .000034 / 21.3 T= .099 / 19.0 LAT= .6.0 U= .062 / 14.4 V= .103 / 20.5 W= .000433 / 21.3 T= .099 / 19.0 LAT= .6.0 U= .062 / 14.4 V= .103 / 20.5 W= .000433 / 21.3 T= .099 / 19.0 LAT= .8.0 U= .062 / 14.4 V= .103 / 20.5 W= .000244 / 21.3 T= .068 / 19.5 LAT= 22.0 U= .155 / 14.5 V= .190 / 20.7 W= .000174 / 9.4 T= .043 / 21.6 LAT= 23.0 U= .144 / 14.6 V= .211 / 20.6 W= .000034 / 21.3 T= .049 / 20.5 LAT= 24.0 U= .155 / 14.6 V= .190 / 20.7 W= .000174 / 9.4 T= .046 / 22.0 LAT= 36.0 U= .108 / 14.6 V= .107 / 21.1 W= .000167 / 9.4 T= .046 / 22.0 LAT= 32.0 U= .075 / 14.8 V= .073 / 21.6 W= .000167 / 9.4 T= .064 / 21.3 LAT= 42.0 U= .051 / 15.5 V= .055 / 22.5 W= .000034 / 9.4 T= .064 / 21.3 LAT= 54.0 U= .046 / 17.9 V= .048 / 23.3 W= .000034 / 9.4 T= .064 / 21.3 LAT= 54.0 U= .046 / 17.9 V= .048 / 23.8 W= .000034 / 9.4 T= .077 / 20.8 LAT= 54.0 U= .046 / 17.9 V= .048 / 23.8 W= .000024 / 17.8 T= .077 / 20.6 LAT= 78.0 U= .064 / 18.0 V= .051 / 23.9 W= .000002 / 9.4 T= .077 / 20.5 LAT= 56.0 U= .064 / 17.9 V= .066 / 24.0 W= .000024 / 17.8 T= .065 / 17.8 LAT=-66.0 U= .066 / 18.0 V= .066 / 24.0 W= .000024 / 17.8 T= .065 / 17.8 LAT=-66.0 U= .066 / 18.0 V= .054 / 24.0 W= .000024 / 17.8 T= .096 / 17.9 LAT=-66.0 U= .066 / 18.0 V= .066 / 24.0 W= .000024 / 17.9 T= .065 / 17.8 LAT=-66.0 U= .066 / 18.0 V= .066 / 18.0 V= .066 / 23 W= .000024 / 17.8 T= .005 / 17.8 LAT=-66.0 U= .066 / 18.0 V= .066 / 18.0 V= .066 / 18.0 U= .000024 / 17.9 T= .065 / 17.8 LAT=-60.0 U= .066 / 18.0 V= .066 / 18.0 V= .066 / 18.0 U= .000024	LAT=-54.0	U≠	.059 / 18.1	V=		W=	.000043 / 9.4	T=	.106 / 20.7
LAT=-36.0 U= .100 / 15.2 V= .106 / 10.0 W= .000167 / 9.4 T= .098 / 21.4 LAT=-30.0 U= .133 / 14.9 V= .147 / 9.4 W= .000176 / 9.4 T= .074 / 21.5 LAT=-72.0 U= .156 / 14.7 V= .190 / 9.1 W= .000176 / 9.4 T= .068 / 21.3 LAT=-18.0 U= .152 / 14.6 V= .217 / 9.0 W= .000176 / 9.4 T= .068 / 21.3 LAT=-18.0 U= .152 / 14.6 V= .198 / 9.0 W= .000244 / 21.3 T= .069 / 20.7 LAT=-12.0 U= .115 / 14.6 V= .198 / 9.0 W= .000244 / 21.3 T= .080 / 19.8 LAT= -6.0 U= .066 / 14.3 V= .123 / 9.0 W= .000244 / 21.3 T= .099 / 19.8 LAT= 6.0 U= .047 / 14.2 V= .013 / 10.9 W= .000510 / 21.3 T= .099 / 19.0 LAT= 6.0 U= .047 / 14.2 V= .013 / 10.9 W= .000510 / 21.3 T= .099 / 19.0 LAT= 12.0 U= .107 / 14.6 V= .1164 / 20.6 W= .000244 / 21.3 T= .099 / 19.5 LAT= 12.0 U= .107 / 14.6 V= .1164 / 20.6 W= .000244 / 21.3 T= .089 / 19.5 LAT= 23.0 U= .155 / 14.5 V= .1190 / 20.7 W= .000176 / 9.4 T= .043 / 21.6 LAT= 33.0 U= .137 / 14.5 V= .149 / 20.8 W= .000176 / 9.4 T= .043 / 21.6 LAT= 33.0 U= .108 / 14.6 V= .107 / 21.1 W= .000167 / 9.4 T= .046 / 22.0 LAT= 36.0 U= .005 / 15.5 V= .055 / 22.5 W= .000176 / 9.4 T= .064 / 21.7 LAT= 48.0 U= .040 / 17.6 V= .055 / 22.5 W= .000080 / 9.4 T= .077 / 20.8 LAT= 60.0 U= .040 / 17.6 V= .055 / 22.5 W= .000080 / 9.4 T= .077 / 20.8 LAT= 60.0 U= .046 / 17.9 V= .055 / 22.5 W= .000080 / 9.4 T= .077 / 20.8 LAT= 60.0 U= .046 / 17.9 V= .055 / 22.5 W= .000080 / 9.4 T= .077 / 20.8 LAT= 60.0 U= .046 / 17.9 V= .055 / 22.5 W= .000080 / 9.4 T= .077 / 20.8 LAT= 60.0 U= .046 / 17.9 V= .055 / 22.5 W= .000080 / 9.4 T= .077 / 20.6 LAT= 72.0 U= .064 / 18.0 V= .055 / 18.0 V= .056 / 24.0 W= .000017 / 9.4 T= .066 / 21.5 UAT= 60.0 U= .046 / 18.0 V= .056 / 24.0 W= .000023 / 9.4 T= .077 / 20.6 LAT= 72.0 U= .066 / 18.0 V= .056 / 24.0 W= .000023 / 9.4 T= .077 / 20.7 LAT= 60.0 U= .064 / 18.0 V= .056 / 24.0 W= .000023 / 9.4 T= .077 / 20.7 LAT= 60.0 U= .063 / 8.1 V= .068 / 9.3 V= .000023 / 9.4 T= .077 / 20.6 LAT= 72.0 U= .066 / 18.0 V= .066 / 24.0 W= .000023 / 9.4 T= .065 / 17.8 LAT= 60.0 U= .066 / 18.0 V= .066 / 24.0 W= .000023 / 9.4 T= .066 / 17.8 LAT= 60.0 U= .0	LAT=-48.0	U=	.048 / 17.5	V≖	.069 / 11.7	W=	.000080 / 9.4	T≖	.104 / 20.9
LAT=-20.0 U= .133 / 14.9 V= .147 / 9.4 W= .000176 / 9.4 T= .074 / 21.5 LAT=-20.0 U= .156 / 14.7 V= .190 / 9.1 W= .000171 / 9.4 T= .068 / 21.3 LAT=-18.0 U= .152 / 14.6 V= .217 / 9.0 W= .000034 / 21.3 T= .069 / 20.7 LAT=-12.0 U= .115 / 14.6 V= .217 / 9.0 W= .000034 / 21.3 T= .069 / 19.2 LAT= -6.0 U= .066 / 14.3 V= .123 / 9.0 W= .000033 / 21.3 T= .094 / 19.2 LAT= -6.0 U= .066 / 14.3 V= .123 / 9.0 W= .000433 / 21.3 T= .099 / 19.0 LAT= 6.0 U= .062 / 14.4 V= .103 / 20.5 W= .000433 / 21.3 T= .099 / 19.0 LAT= 6.0 U= .062 / 14.4 V= .103 / 20.5 W= .000433 / 21.3 T= .099 / 19.0 LAT= 12.0 U= .107 / 14.6 V= .184 / 20.6 W= .000234 / 21.3 T= .099 / 19.1 LAT= 12.0 U= .144 / 14.6 V= .211 / 20.6 W= .000234 / 21.3 T= .099 / 19.1 LAT= 21.0 U= .144 / 14.6 V= .211 / 20.6 W= .000034 / 21.3 T= .049 / 20.5 LAT= 24.0 U= .155 / 14.5 V= .149 / 20.8 W= .000176 / 9.4 T= .044 / 22.0 LAT= 30.0 U= .137 / 14.5 V= .149 / 20.8 W= .000176 / 9.4 T= .046 / 22.0 LAT= 32.0 U= .075 / 14.8 V= .073 / 21.6 W= .000167 / 9.4 T= .064 / 21.3 LAT= 42.0 U= .075 / 14.8 V= .073 / 21.6 W= .000167 / 9.4 T= .064 / 21.3 LAT= 84.0 U= .0051 / 15.5 V= .0055 / 22.5 W= .000080 / 9.4 T= .072 / 21.0 LAT= 54.0 U= .044 / 17.6 V= .048 / 23.8 W= .000034 / 9.4 T= .077 / 20.8 LAT= 66.0 U= .046 / 17.9 V= .051 / 23.8 W= .000034 / 9.4 T= .077 / 20.6 LAT= 78.0 U= .064 / 18.0 V= .054 / 24.0 W= .000027 / 9.4 T= .077 / 20.5 LAT= 66.0 U= .046 / 17.9 V= .054 / 24.0 W= .000027 / 9.4 T= .077 / 20.5 LAT= 66.0 U= .066 / 18.0 V= .054 / 24.0 W= .000027 / 9.4 T= .077 / 20.5 LAT= 66.0 U= .066 / 18.0 V= .054 / 24.0 W= .000027 / 9.4 T= .077 / 20.5 LAT= 66.0 U= .066 / 18.0 V= .054 / 24.0 W= .000027 / 9.4 T= .077 / 20.5 LAT= 66.0 U= .066 / 18.0 V= .054 / 24.0 W= .000027 / 9.4 T= .005 / 20.5 LAT= 78.0 U= .066 / 18.0 V= .066 / 24.0 W= .000027 / 9.4 T= .005 / 20.5 LAT= 60.0 U= .066 / 18.0 V= .066 / 24.0 W= .000027 / 17.8 T= .065 / 17.8 LAT= 60.0 U= .066 / 18.0 V= .066 / 18.0 V= .066 / 18.0 U= .066 /	LAT=-42.0	U≖	.062 / 16.1	V =	.079 / 10.8	W=	.000127 / 9.4	T =	.097 / 21.1
LAT=-24.0 U= .156 / 14.7 V= .190 / 9.1 W= .000117 / 9.4 T= .068 / 21.3 LAT=-18.0 U= .152 / 14.6 V= .217 / 9.0 W= .000034 / 21.3 T= .069 / 20.7 LAT=-12.0 U= .115 / 14.6 V= .198 / 9.0 W= .000244 / 21.3 T= .090 / 19.8 LAT= -6.0 U= .068 / 14.3 V= .123 / 9.0 W= .000244 / 21.3 T= .094 / 19.2 LAT= 6.0 U= .047 / 14.2 V= .013 / 10.9 W= .000510 / 21.3 T= .094 / 19.2 LAT= 6.0 U= .062 / 14.4 V= .013 / 10.9 W= .000510 / 21.3 T= .099 / 19.1 LAT= 12.0 U= .107 / 14.6 V= .104 / 20.5 W= .000433 / 21.3 T= .099 / 19.1 LAT= 12.0 U= .144 / 14.6 V= .211 / 20.6 W= .000244 / 21.3 T= .068 / 19.5 LAT= 18.0 U= .144 / 14.6 V= .211 / 20.6 W= .000244 / 21.3 T= .068 / 19.5 LAT= 24.0 U= .155 / 14.5 V= .190 / 20.7 W= .000117 / 9.4 T= .043 / 21.5 LAT= 36.0 U= .137 / 14.5 V= .149 / 20.8 W= .000176 / 9.4 T= .043 / 21.5 LAT= 36.0 U= .108 / 14.6 V= .107 / 21.1 W= .000167 / 9.4 T= .054 / 21.3 LAT= 48.0 U= .051 / 15.5 V= .055 / 22.5 W= .000167 / 9.4 T= .054 / 21.3 LAT= 48.0 U= .051 / 15.5 V= .055 / 22.5 W= .000043 / 9.4 T= .054 / 21.3 LAT= 60.0 U= .040 / 17.6 V= .048 / 23.3 W= .000043 / 9.4 T= .077 / 20.8 LAT= 60.0 U= .040 / 17.6 V= .048 / 23.3 W= .000043 / 9.4 T= .077 / 20.8 LAT= 60.0 U= .040 / 17.6 V= .048 / 23.3 W= .000016 / 9.4 T= .077 / 20.6 LAT= 72.0 U= .055 / 18.0 V= .054 / 24.0 W= .000017 / 9.4 T= .007 / 20.5 LAT= 72.0 U= .055 / 18.0 V= .054 / 24.0 W= .000002 / 9.4 T= .007 / 20.5 LAT= 72.0 U= .055 / 18.0 V= .054 / 24.0 W= .000002 / 9.4 T= .066 / 20.5 LAT= 73.0 U= .064 / 17.9 V= .054 / 24.0 W= .000002 / 9.4 T= .065 / 20.5 LAT= 73.0 U= .064 / 18.0 V= .054 / 24.0 W= .000002 / 9.4 T= .007 / 20.5 LAT= 73.0 U= .064 / 18.0 V= .054 / 24.0 W= .000002 / 9.4 T= .007 / 20.5 LAT= 73.0 U= .064 / 18.0 V= .054 / 24.0 W= .000002 / 9.4 T= .007 / 20.5 LAT= 73.0 U= .064 / 18.0 V= .054 / 24.0 W= .000002 / 9.4 T= .007 / 20.5 LAT= 73.0 U= .064 / 18.0 V= .054 / 24.0 W= .000002 / 9.4 T= .007 / 20.5 LAT= 73.0 U= .064 / 18.0 V= .054 / 24.0 W= .000002 / 9.4 T= .007 / 20.5 LAT= 73.0 U= .064 / 18.0 V= .054 / 24.0 W= .000002 / 9.4 T= .007 / 18.0 U= .00002 / 9.4 T= .000002 /	LAT=-36.0	U≖	.100 / 15.2	V =	.106 / 10.0	W=	.000167 / 9.4	Ţ≖	.084 / 21.4
LAT=-18.0 U= .152 / 14.6 V= .217 / 9.0 W= .000034 / 21.3 T= .069 / 20.7 LAT=-12.0 U= .115 / 14.6 V= .198 / 9.0 W= .000244 / 21.3 T= .080 / 19.8 LAT=-6.0 U= .068 / 14.3 V= .123 / 9.0 W= .000433 / 21.3 T= .094 / 19.2 LAT= .6.0 U= .062 / 14.4 V= .103 / 10.9 W= .000433 / 21.3 T= .099 / 19.0 LAT= 6.0 U= .062 / 14.4 V= .103 / 20.5 W= .000433 / 21.3 T= .099 / 19.0 LAT= 18.0 U= .107 / 14.6 V= .184 / 20.6 W= .000434 / 21.3 T= .068 / 19.5 LAT= 18.0 U= .144 / 14.6 V= .211 / 20.6 W= .000244 / 21.3 T= .068 / 19.5 LAT= 24.0 U= .155 / 14.5 V= .199 / 20.7 W= .000117 / 9.4 T= .043 / 21.6 LAT= 30.0 U= .137 / 14.5 V= .199 / 20.7 W= .000117 / 9.4 T= .043 / 21.6 LAT= 36.0 U= .075 / 14.8 V= .073 / 21.6 W= .000167 / 9.4 T= .064 / 21.3 LAT= 42.0 U= .075 / 14.8 V= .073 / 21.6 W= .000167 / 9.4 T= .064 / 21.3 LAT= 46.0 U= .051 / 15.5 V= .055 / 22.5 W= .000806 / 9.4 T= .077 / 20.8 LAT= 60.0 U= .040 / 17.6 V= .048 / 23.3 W= .000043 / 9.4 T= .077 / 20.8 LAT= 72.0 U= .055 / 18.0 V= .055 / 23.9 W= .000017 / 9.4 T= .064 / 21.3 LAT= 72.0 U= .055 / 18.0 V= .056 / 24.0 W= .000017 / 9.4 T= .072 / 20.6 LAT= 72.0 U= .055 / 18.0 V= .056 / 24.0 W= .000002 / 9.4 T= .072 / 20.6 LAT= 72.0 U= .055 / 18.0 V= .056 / 24.0 W= .000002 / 9.4 T= .002 / 20.6 LAT= 72.0 U= .064 / 18.0 V= .056 / 24.0 W= .000002 / 9.4 T= .0045 / 20.5 Z= 2.078 KM LAT=-78.0 U= .109 / 6.6 V= .110 / .6 W= .000031 / 19.2 T= .062 / 17.8 LAT=-36.0 U= .064 / 18.0 V= .056 / 2.3 W= .000002 / 15.8 T= .101 / 17.9 LAT=-36.0 U= .064 / 18.0 V= .056 / 2.3 W= .000002 / 15.8 T= .101 / 17.9 LAT=-36.0 U= .064 / 18.0 V= .056 / 2.3 W= .000002 / 15.8 T= .101 / 17.9 LAT=-36.0 U= .106 / 6.6 V= .110 / .6 W= .000002 / 15.8 T= .001 / 17.9 LAT=-36.0 U= .106 / 6.6 V= .110 / .6 W= .000002 / 15.8 T= .001 / 17.8 LAT=-36.0 U= .137 / 14.8 V= .066 / 2.3 W= .000002 / 15.8 T= .001 / 17.8 LAT=-36.0 U= .106 / 6.6 V= .106 / 6.9 W= .000002 / 15.8 T= .001 / 17.8 LAT=-36.0 U= .106 / 6.6 V= .106 / 6.9 W= .000002 / 15.8 T= .001 / 17.8 LAT=-36.0 U= .106 / 6.6 V= .106 / 6.9 W	LAT=-30.0	U=		V =		₩=		T=	.074 / 21.5
LAT=-6.0 U= .115 / 14.6 V= .198 / 9.0 W= .000244 / 21.3 T= .000 / 19.8 LAT=-6.0 U= .068 / 14.3 V= .123 / 9.0 W= .0000433 / 21.3 T= .094 / 19.2 LAT= 0.0 U= .047 / 14.2 V= .013 / 10.9 W= .000510 / 21.3 T= .099 / 19.0 LAT= 6.0 U= .062 / 14.4 V= .103 / 20.5 W= .000433 / 21.3 T= .099 / 19.0 LAT= 12.0 U= .067 / 14.6 V= .184 / 20.6 W= .000244 / 21.3 T= .068 / 19.5 LAT= 12.0 U= .144 / 14.6 V= .114 / 20.6 W= .000244 / 21.3 T= .068 / 19.5 LAT= 24.0 U= .155 / 14.5 V= .190 / 20.7 W= .000176 / 9.4 T= .043 / 21.6 LAT= 30.0 U= .137 / 14.5 V= .190 / 20.7 W= .000176 / 9.4 T= .046 / 22.0 LAT= 36.0 U= .108 / 14.6 V= .010 / 21.1 W= .000167 / 9.4 T= .054 / 21.7 LAT= 42.0 U= .051 / 15.5 V= .055 / 22.5 W= .000127 / 9.4 T= .054 / 21.3 LAT= 48.0 U= .051 / 15.5 V= .055 / 22.5 W= .000080 / 9.4 T= .072 / 21.0 LAT= 54.0 U= .046 / 17.9 V= .048 / 23.3 W= .000043 / 9.4 T= .077 / 20.8 LAT= 66.0 U= .046 / 17.9 V= .051 / 23.9 W= .000017 / 9.4 T= .066 / 20.0 LAT= 78.0 U= .055 / 18.0 V= .055 / 23.9 W= .000002 / 9.4 T= .005 / 20.6 LAT= 78.0 U= .064 / 18.0 V= .054 / 24.0 W= .000002 / 9.4 T= .006 / 20.6 LAT= 78.0 U= .064 / 18.0 V= .054 / 24.0 W= .000002 / 9.4 T= .006 / 20.5 LAT= 66.0 U= .063 / 8.1 V= .068 / .7 W= .00002 / 17.8 T= .065 / 20.5 LAT= 66.0 U= .063 / 8.1 V= .068 / .7 W= .00002 / 17.8 T= .065 / 20.5 LAT= 66.0 U= .063 / 8.1 V= .068 / .7 W= .00002 / 17.8 T= .065 / 20.5 LAT= 66.0 U= .063 / 8.1 V= .068 / .7 W= .00002 / 17.8 T= .065 / 17.8 LAT=-60.0 U= .063 / 8.1 V= .068 / .7 W= .00002 / 17.8 T= .065 / 17.8 LAT=-60.0 U= .060 / 11.8 V= .068 / .3 W= .000002 / 19.4 T= .045 / 20.5 LAT=-60.0 U= .063 / 8.1 V= .068 / .7 W= .00002 / 17.8 T= .005 / 17.8 LAT=-60.0 U= .067 / 13.4 V= .068 / .7 W= .00002 / 17.8 T= .005 / 17.8 LAT=-60.0 U= .067 / 13.4 V= .068 / .7 W= .00002 / 17.8 T= .005 / 17.8 LAT=-30.0 U= .166 / 14.6 V= .066 / 17.9 V= .066 / 23 W= .00001 / 19.3 T= .005 / 18.1 LAT=-30.0 U= .166 / 14.6 V= .066 / 17.9 V= .068 / 23 W= .00001 / 19.3 T= .005 / 18.1 LAT=-30.0 U= .166 / 14.6 V= .066 / 17.9 V= .066 / 17.9 W= .00002 / 19.3 T= .007 / 18.1 LAT=-24.0 U	LAT=-24.0	Ų=		V =		W=	.000117 / 9.4		
LATE - 6.0 U = .068 / 14.3 V = .123 / 9.0 W = .000433 / 21.3 T = .094 / 19.2 LATE - 0.0 U = .062 / 14.2 V = .013 / 10.9 W = .000510 / 21.3 T = .099 / 19.0 LATE - 6.0 U = .062 / 14.4 V = .103 / 20.5 W = .000433 / 21.3 T = .068 / 19.5 LATE - 12.0 U = .107 / 14.6 V = .124 / 20.6 W = .000244 / 21.3 T = .068 / 19.5 LATE - 12.0 U = .155 / 14.5 V = .124 / 20.6 W = .000034 / 21.3 T = .068 / 19.5 LATE - 12.0 U = .155 / 14.5 V = .190 / 20.7 W = .000176 / 9.4 T = .043 / 21.6 LATE - 30.0 U = .137 / 14.5 V = .149 / 20.8 W = .000176 / 9.4 T = .046 / 22.0 LATE - 36.0 U = .005 / 14.8 V = .073 / 21.1 W = .000176 / 9.4 T = .064 / 21.3 LATE - 42.0 U = .055 / 14.8 V = .073 / 21.1 W = .000167 / 9.4 T = .064 / 21.3 LATE - 48.0 U = .051 / 15.5 V = .055 / 22.5 W = .000080 / 9.4 T = .064 / 21.3 LATE - 48.0 U = .051 / 15.5 V = .055 / 22.5 W = .000080 / 9.4 T = .072 / 21.0 LATE - 54.0 U = .043 / 16.7 V = .048 / 23.8 W = .000176 / 9.4 T = .072 / 21.0 LATE - 54.0 U = .046 / 17.9 V = .048 / 23.8 W = .000033 / 9.4 T = .077 / 20.8 LATE - 78.0 U = .046 / 17.9 V = .051 / 23.9 W = .000017 / 9.4 T = .072 / 20.6 LATE - 78.0 U = .054 / 18.0 V = .054 / 24.0 W = .000002 / 9.4 T = .072 / 20.6 LATE - 78.0 U = .054 / 18.0 V = .054 / 24.0 W = .000002 / 9.4 T = .066 / 20.5 LATE - 78.0 U = .054 / 18.0 V = .054 / 24.0 W = .000002 / 9.4 T = .065 / 17.8 LATE - 66.0 U = .063 / 8.1 V = .098 / .7 W = .00002 / 15.8 T = .101 / 17.9 LATE - 66.0 U = .063 / 8.1 V = .098 / .7 W = .00002 / 15.8 T = .101 / 17.9 LATE - 66.0 U = .065 / 10.2 V = .073 / 1.2 W = .00002 / 15.8 T = .101 / 17.9 LATE - 36.0 U = .055 / 18.4 V = .098 / .7 W = .00002 / 15.8 T = .101 / 17.9 LATE - 36.0 U = .055 / 18.4 V = .058 / 23 W = .000017 / 19.4 T = .009 / 18.1 LATE - 36.0 U = .056 / 10.2 V = .073 / 1.2 W = .00002 / 15.8 T = .101 / 17.9 LATE - 36.0 U = .056 / 10.2 V = .073 / 1.2 W = .00002 / 15.8 T = .101 / 17.9 LATE - 36.0 U = .056 / 10.2 V = .056 / 20.6 M = .00002 / 15.8 T = .101 / 17.9 M = .00002 / 15.8 U = .100 / 18.1 LATE - 36.0 U = .056 / 10.2 V = .056 / 10.2 V = .00002 / 15.8 T = .100 /									
LATE 0.0 U= .047 / 14.2 V= .013 / 10.9 W= .000510 / 21.3 T= .099 / 19.0 LATE 6.0 U= .062 / 14.4 V= .103 / 20.5 W= .000433 / 21.3 T= .069 / 19.1 LATE 12.0 U= .107 / 14.6 V= .184 / 20.6 W= .000244 / 21.3 T= .068 / 19.5 LATE 18.0 U= .144 / 14.6 V= .184 / 20.6 W= .000034 / 21.3 T= .068 / 19.5 LATE 18.0 U= .155 / 14.5 V= .190 / 20.7 W= .000177 / 9.4 T= .049 / 20.5 LATE 30.0 U= .137 / 14.5 V= .199 / 20.8 W= .000176 / 9.4 T= .043 / 21.6 LATE 30.0 U= .108 / 14.6 V= .199 / 20.8 W= .000176 / 9.4 T= .054 / 21.7 LATE 48.0 U= .055 / 14.8 V= .073 / 21.6 W= .000177 / 9.4 T= .054 / 21.7 LATE 48.0 U= .051 / 15.5 V= .055 / 22.5 W= .000080 / 9.4 T= .072 / 21.0 LATE 54.0 U= .051 / 15.5 V= .048 / 23.3 W= .000043 / 9.4 T= .077 / 20.8 LATE 66.0 U= .046 / 17.9 V= .051 / 23.9 W= .000017 / 9.4 T= .077 / 20.7 LATE 66.0 U= .046 / 17.9 V= .055 / 23.9 W= .000017 / 9.4 T= .077 / 20.7 LATE 66.0 U= .055 / 18.0 V= .055 / 23.9 W= .000017 / 9.4 T= .077 / 20.5 LATE 78.0 U= .055 / 18.0 V= .056 / 24.0 W= .000022 / 9.4 T= .077 / 20.5 LATE 78.0 U= .056 / 18.0 V= .056 / 24.0 W= .000002 / 9.4 T= .072 / 20.6 LATE 78.0 U= .056 / 18.0 V= .056 / 24.0 W= .000002 / 9.4 T= .045 / 20.5 LATE 78.0 U= .054 / 10.2 V= .058 / 27.1 V= .058 / 27.3 W= .000020 / 15.8 T= .101 / 17.8 LATE -66.0 U= .063 / 8.1 V= .088 / .7 W= .000020 / 15.8 T= .101 / 17.9 LATE -66.0 U= .054 / 10.2 V= .073 / 1.2 W= .000020 / 15.8 T= .101 / 17.9 LATE -66.0 U= .054 / 10.2 V= .073 / 1.2 W= .000020 / 15.8 T= .101 / 17.9 LATE -66.0 U= .054 / 10.2 V= .058 / 23.3 W= .000020 / 15.8 T= .101 / 17.9 LATE -66.0 U= .054 / 10.2 V= .058 / 23.3 W= .000020 / 15.8 T= .101 / 17.9 LATE -66.0 U= .054 / 10.2 V= .058 / 23.3 W= .000020 / 15.8 T= .101 / 17.8 LATE -66.0 U= .054 / 10.2 V= .058 / 23.3 W= .000020 / 15.8 T= .101 / 17.8 LATE -66.0 U= .054 / 10.2 V= .058 / 23.3 W= .000020 / 15.8 T= .104 / 18.0 U= .056 / 17.8 U= .000020 / 15.8 T= .000 / 18.1 U= .000020 / 15.8 U= .0000000 / 15.8 U= .00000000 / 15.8 U= .000000000 / 15.8 U= .00000000000									
LAT= 6.0 U= .062 / 14.4 V= .103 / 20.5 W= .000433 / 21.3 T= .068 / 19.5 LAT= 18.0 U= .107 / 14.6 V= .114 / 20.6 W= .000204 / 21.3 T= .068 / 19.5 LAT= 24.0 U= .155 / 14.5 V= .190 / 20.7 W= .000017 / 9.4 T= .043 / 21.6 LAT= 30.0 U= .137 / 14.5 V= .149 / 20.8 W= .000176 / 9.4 T= .046 / 22.0 LAT= 30.0 U= .137 / 14.5 V= .149 / 20.8 W= .000176 / 9.4 T= .046 / 22.0 LAT= 30.0 U= .075 / 14.8 V= .073 / 21.1 W= .000167 / 9.4 T= .064 / 21.3 LAT= 48.0 U= .075 / 14.8 V= .073 / 21.6 W= .000167 / 9.4 T= .064 / 21.3 LAT= 54.0 U= .043 / 15.7 V= .048 / 23.8 W= .000027 / 9.4 T= .072 / 21.0 LAT= 54.0 U= .040 / 17.6 V= .048 / 23.8 W= .000023 / 9.4 T= .077 / 20.8 LAT= 60.0 U= .046 / 17.9 V= .051 / 23.9 W= .000002 / 9.4 T= .077 / 20.8 LAT= 72.0 U= .055 / 18.0 V= .054 / 24.0 W= .000005 / 9.4 T= .045 / 20.5 Z= 2.078 KM LAT=-78.0 U= .109 / 6.6 V= .110 / .6 W= .00002 / 9.4 T= .045 / 20.5 LAT=-54.0 U= .063 / 7.1 V= .098 / .7 W= .00002 / 17.8 T= .085 / 17.8 LAT=-78.0 U= .064 / 10.2 V= .073 / 1.2 W= .00002 / 17.8 T= .085 / 17.8 LAT=-60.0 U= .063 / 8.1 V= .088 / .9 W= .00002 / 15.8 T= .101 / 17.9 LAT=-60.0 U= .065 / 13.4 V= .058 / 2.3 W= .00002 / 19.4 T= .005 / 18.1 LAT=-30.0 U= .066 / 14.6 V= .073 / 1.2 W= .00002 / 17.8 T= .005 / 18.1 LAT=-30.0 U= .133 / 14.3 V= .058 / 2.3 W= .00001 / 9.8 T= .109 / 18.0 LAT=-30.0 U= .133 / 14.4 V= .058 / 2.3 W= .00001 / 9.8 T= .109 / 18.0 LAT=-30.0 U= .166 / 14.6 V= .124 / 8.0 W= .000027 / 17.9 T= .007 / 18.1 LAT=-30.0 U= .166 / 14.6 V= .124 / 8.0 W= .000017 / 17.9 T= .007 / 18.1 LAT=-30.0 U= .133 / 14.4 V= .058 / 2.3 W= .000017 / 17.9 T= .007 / 18.1 LAT=-30.0 U= .134 / 14.8 V= .058 / 2.3 W= .000017 / 17.9 T= .007 / 18.1 LAT=-30.0 U= .166 / 14.6 V= .124 / 8.0 W= .000017 / 17.9 T= .007 / 18.1 LAT=-30.0 U= .166 / 14.6 V= .124 / 8.0 W= .000017 / 17.9 T= .007 / 18.1 LAT=-30.0 U= .166 / 14.6 V= .124 / 8.0 W= .000027 / 17.9 T= .007 / 18.1 LAT=-24.0 U= .133 / 15.1 V= .168 / 8.4 W= .000017 / 17.9 T= .007 / 18.1 LAT=-24.0 U= .134 / 14.9 V= .166 / 8.4 W= .000017 / 17.9 T= .007 / 18.1 LAT=-									
LAT = 12.0 U =			.047 / 14.2						
LATE 18.0 U =			.062 / 14.4						
LAT= 24.0 U= .155 / 14.5 V= .190 / 20.7 W= .000117 / 9.4 T= .043 / 21.6 LAT= 30.0 U= .108 / 14.5 V= .149 / 20.8 W= .000167 / 9.4 T= .064 / 21.7 LAT= 36.0 U= .108 / 14.6 V= .107 / 21.1 W= .000167 / 9.4 T= .064 / 21.7 LAT= 42.0 U= .075 / 14.8 V= .077 / 21.6 W= .000167 / 9.4 T= .064 / 21.7 LAT= 42.0 U= .051 / 15.5 V= .055 / 22.5 W= .000080 / 9.4 T= .064 / 21.3 LAT= 54.0 U= .043 / 16.7 V= .048 / 23.8 W= .000023 / 9.4 T= .077 / 20.8 LAT= 66.0 U= .046 / 17.9 V= .048 / 23.8 W= .000023 / 9.4 T= .077 / 20.8 LAT= 66.0 U= .046 / 17.9 V= .051 / 23.9 W= .000011 / 9.4 T= .072 / 20.6 LAT= 79.0 U= .064 / 18.0 V= .060 / 24.0 W= .000005 / 9.4 T= .072 / 20.6 LAT= 79.0 U= .064 / 18.0 V= .060 / 24.0 W= .000002 / 9.4 T= .045 / 20.5 LAT= 79.0 U= .064 / 18.0 V= .060 / 24.0 W= .000002 / 9.4 T= .045 / 20.5 LAT= 66.0 U= .083 / 7.1 V= .098 / .7 W= .000024 / 17.8 T= .085 / 17.8 LAT=-66.0 U= .063 / 8.1 V= .098 / .7 W= .000024 / 17.8 T= .085 / 17.8 LAT=-66.0 U= .063 / 8.1 V= .098 / .7 W= .000024 / 17.8 T= .109 / 18.0 LAT=-48.0 U= .055 / 13.4 V= .058 / 2.3 W= .000081 / 9.8 T= .109 / 18.0 LAT=-48.0 U= .054 / 10.2 V= .073 / 12 W= .000024 / 10.8 T= .109 / 18.0 LAT=-30.0 U= .135 / 14.3 V= .058 / 2.3 W= .000081 / 9.8 T= .104 / 18.0 LAT=-30.0 U= .135 / 14.3 V= .058 / 2.3 W= .000017 / 9.3 T= .071 / 18.3 LAT=-60.0 U= .135 / 14.3 V= .058 / 2.3 W= .000017 / 17.9 T= .009 / 18.1 LAT=-30.0 U= .135 / 14.3 V= .056 / 8.8 W= .00017 / 17.9 T= .000017 / 17.9 T= .000017 / 18.0 LAT=-18.0 U= .172 / 15.0 V= .191 / 8.6 W= .00017 / 17.9 T= .009 / 18.1 LAT=-18.0 U= .172 / 15.0 V= .191 / 8.6 W= .000017 / 17.9 T= .006 / 17.7 LAT=-18.0 U= .172 / 15.0 V= .191 / 8.6 W= .000017 / 17.9 T= .006 / 18.0 LAT=-18.0 U= .174 / 14.8 V= .168 / 8.8 W= .000025 / 9.4 T= .006 / 17.7 LAT=-18.0 U= .174 / 14.8 V= .168 / 8.8 W= .000025 / 9.4 T= .006 / 17.7 LAT=-18.0 U= .174 / 14.8 V= .168 / 20.4 W= .000035 / 9.4 T= .006 / 17.7 LAT=-18.0 U= .174 / 14.8 V= .168 / 20.4 W= .000035 / 9.4 T= .006 / 17.7 LAT=-18.0 U= .174 / 14.8 V= .168 / 20.4 W= .000035 / 9.4 T= .006 / 17.7 LAT=-18.0 U= .174 / 14.									
LAT= 30.0 U= .137 / 14.5 V= .149 / 20.8 W= .000176 / 9.4 T= .046 / 22.0 LAT= 36.0 U= .108 / 14.6 V= .107 / 21.1 W= .000167 / 9.4 T= .054 / 21.7 LAT= 42.0 U= .075 / 14.8 V= .073 / 21.6 W= .000127 / 9.4 T= .064 / 21.3 LAT= 48.0 U= .051 / 15.5 V= .055 / 22.5 W= .000080 / 9.4 T= .072 / 21.0 LAT= 54.0 U= .043 / 16.7 V= .048 / 23.3 W= .000043 / 9.4 T= .077 / 20.8 LAT= 60.0 U= .040 / 17.6 V= .048 / 23.8 W= .000043 / 9.4 T= .077 / 20.8 LAT= 60.0 U= .046 / 17.9 V= .051 / 23.9 W= .000011 / 9.4 T= .077 / 20.6 LAT= 72.0 U= .055 / 18.0 V= .054 / 24.0 W= .000023 / 9.4 T= .072 / 20.6 LAT= 78.0 U= .055 / 18.0 V= .054 / 24.0 W= .000005 / 9.4 T= .060 / 20.6 LAT= 78.0 U= .109 / 6.6 V= .110 / .6 W= .000024 / 17.8 T= .065 / 17.8 LAT=-78.0 U= .109 / 6.6 V= .110 / .6 W= .000024 / 17.8 T= .085 / 17.8 LAT=-66.0 U= .083 / 7.1 V= .098 / .7 W= .000024 / 17.8 T= .085 / 17.8 LAT=-66.0 U= .063 / 8.1 V= .098 / .7 W= .000024 / 17.8 T= .085 / 17.8 LAT=-64.0 U= .063 / 8.1 V= .088 / .9 W= .000021 / 19.8 T= .109 / 18.0 LAT=-48.0 U= .056 / 11.8 V= .058 / 2.3 W= .000081 / 9.8 T= .109 / 18.0 LAT=-36.0 U= .056 / 11.8 V= .058 / 2.3 W= .000081 / 9.8 T= .109 / 18.0 LAT=-36.0 U= .135 / 14.3 V= .058 / 2.3 W= .000081 / 9.8 T= .109 / 18.0 LAT=-24.0 U= .166 / 14.6 V= .124 / 8.0 W= .000137 / 9.4 T= .059 / 18.3 LAT=-30.0 U= .166 / 14.6 V= .124 / 8.0 W= .000137 / 9.4 T= .059 / 18.4 LAT=-24.0 U= .183 / 14.8 V= .058 / 8.4 W= .000137 / 9.4 T= .059 / 18.3 LAT=-30.0 U= .166 / 14.6 V= .124 / 8.0 W= .000137 / 9.4 T= .059 / 18.3 LAT=-30.0 U= .166 / 14.6 V= .124 / 8.0 W= .000137 / 9.4 T= .059 / 18.3 LAT=-30.0 U= .166 / 14.6 V= .124 / 8.0 W= .000137 / 9.4 T= .059 / 18.3 LAT=-30.0 U= .166 / 14.6 V= .124 / 8.0 W= .000137 / 9.4 T= .059 / 18.3 LAT=-30.0 U= .166 / 14.6 V= .124 / 8.0 W= .000137 / 9.4 T= .059 / 18.3 LAT=-30.0 U= .166 / 14.6 V= .124 / 8.0 W= .000137 / 9.4 T= .059 / 18.3 LAT=-30.0 U= .166 / 14.6 V= .124 / 8.0 W= .000137 / 9.4 T= .059 / 18.3 LAT=-30.0 U= .133 / 14.8 V= .166 / 8.4 W= .000138 / 9.3 T= .051 / 18.3 LAT=-30.0 U= .136 / 14.3 V= .0000 / 15.3 V= .0000 / 15									
LAT= 36.0 U= .108 / 14.6 V= .107 / 21.1 W= .000167 / 9.4 T= .054 / 21.7 LAT= 42.0 U= .075 / 14.8 V= .073 / 21.6 W= .000127 / 9.4 T= .064 / 21.3 LAT= 48.0 U= .063 / 15.5 V= .055 / 22.5 W= .000080 / 9.4 T= .072 / 21.0 LAT= 54.0 U= .043 / 15.7 V= .048 / 23.3 W= .000043 / 9.4 T= .077 / 20.8 LAT= 66.0 U= .046 / 17.6 V= .048 / 23.8 W= .000023 / 9.4 T= .077 / 20.7 LAT= 66.0 U= .046 / 17.9 V= .051 / 23.9 W= .000011 / 9.4 T= .072 / 20.6 LAT= 72.0 U= .055 / 18.0 V= .054 / 24.0 W= .00005 / 9.4 T= .060 / 20.6 LAT= 78.0 U= .055 / 18.0 V= .054 / 24.0 W= .000005 / 9.4 T= .062 / 20.6 LAT= 78.0 U= .064 / 18.0 V= .066 / 24.0 W= .00002 / 9.4 T= .065 / 20.5 Z= 2.078 KM LAT=-78.0 U= .109 / 6.6 V= .110 / .6 W= .00003 / 19.2 T= .062 / 17.8 LAT=-66.0 U= .083 / 7.1 V= .098 / .7 W= .000024 / 17.8 T= .085 / 17.8 LAT=-66.0 U= .063 / 7.1 V= .098 / .7 W= .000024 / 17.8 T= .085 / 17.8 LAT=-54.0 U= .055 / 18.4 V= .088 / .9 W= .000023 / 12.8 T= .109 / 18.0 LAT=-36.0 U= .056 / 11.8 V= .088 / .9 W= .000023 / 12.8 T= .109 / 18.0 LAT=-36.0 U= .066 / 11.8 V= .058 / 2.3 W= .000081 / 9.8 T= .104 / 18.0 LAT=-36.0 U= .056 / 13.4 V= .058 / 2.3 W= .000081 / 9.8 T= .104 / 18.0 LAT=-36.0 U= .135 / 14.3 V= .056 / 2.4 R= .00017 / 9.3 T= .071 / 18.3 LAT=-30.0 U= .166 / 14.6 V= .124 / 8.0 W= .00017 / 9.3 T= .059 / 18.3 LAT=-30.0 U= .135 / 14.3 V= .080 / 6.9 W= .000017 / 17.9 T= .059 / 18.3 LAT=-18.0 U= .172 / 15.0 V= .191 / 8.6 W= .00017 / 17.9 T= .059 / 18.3 LAT=-10.0 U= .133 / 14.8 V= .168 / 8.8 W= .000017 / 17.9 T= .059 / 18.3 LAT=-10.0 U= .134 / 14.8 V= .166 / 8.8 W= .000017 / 17.9 T= .059 / 18.3 LAT=-10.0 U= .134 / 14.8 V= .166 / 20.4 W= .000017 / 17.9 T= .059 / 18.3 LAT=-30.0 U= .134 / 14.8 V= .166 / 20.4 W= .000017 / 17.9 T= .059 / 18.3 LAT=-30.0 U= .136 / 14.3 V= .066 / 20.5 W= .000017 / 17.9 T= .056 / 18.3 U= .0000 / 15.2 V= .191 / 8.6 W= .000017 / 17.9 T= .056 / 18.3 U= .172 / 15.0 V= .191 / 8.6 W= .000017 / 17.9 T= .056 / 18.3 U= .172 / 15.0 V= .191 / 8.6 W= .000017 / 17.7 T= .056 / 18.0 LAT=-6.0 U= .000 / 15.2 V= .191 / 8.6 V= .192 / 10.5 V= .0000		-		-					
LAT= 42.0 U= .075 / 14.8 V= .073 / 21.6 W= .000127 / 9.4 T= .064 / 21.3 LAT= 48.0 U= .051 / 15.5 V= .055 / 22.5 W= .000080 / 9.4 T= .072 / 21.0 LAT= 54.0 U= .043 / 18.7 V= .048 / 23.3 W= .000043 / 9.4 T= .077 / 20.8 LAT= 60.0 U= .046 / 17.9 V= .048 / 23.8 W= .000023 / 9.4 T= .077 / 20.8 LAT= 66.0 U= .046 / 17.9 V= .051 / 23.9 W= .000011 / 9.4 T= .072 / 20.6 LAT= 72.0 U= .055 / 18.0 V= .054 / 24.0 W= .000005 / 9.4 T= .060 / 20.6 LAT= 78.0 U= .064 / 18.0 V= .060 / 24.0 W= .000005 / 9.4 T= .060 / 20.5 Z= .2.078 KM LAT=-78.0 U= .109 / 6.6 V= .110 / .6 W= .000024 / 17.8 T= .065 / 17.8 LAT=-66.0 U= .083 / 7.1 V= .098 / .7 W= .000024 / 17.8 T= .085 / 17.8 LAT=-66.0 U= .063 / 7.1 V= .098 / .7 W= .000024 / 17.8 T= .085 / 17.8 LAT=-54.0 U= .064 / 10.2 V= .073 / 1.2 W= .000023 / 12.8 T= .101 / 17.9 LAT=-84.0 U= .054 / 10.2 V= .073 / 1.2 W= .000024 / 10.8 T= .109 / 18.1 LAT=-36.0 U= .066 / 11.8 V= .058 / 2.3 W= .000042 / 10.8 T= .109 / 18.1 LAT=-36.0 U= .135 / 14.3 V= .058 / 2.3 W= .000041 / 9.4 T= .090 / 18.1 LAT=-24.0 U= .183 / 14.8 V= .054 / 4.7 W= .000137 / 9.4 T= .090 / 18.1 LAT=-24.0 U= .183 / 14.8 V= .054 / 4.7 W= .000137 / 9.4 T= .090 / 18.1 LAT=-24.0 U= .183 / 14.8 V= .058 / 8.8 W= .000017 / 17.9 T= .059 / 18.3 LAT=-18.0 U= .172 / 15.0 V= .191 / 8.6 W= .000017 / 17.9 T= .059 / 18.3 LAT=-10.0 U= .183 / 14.8 V= .168 / 8.4 W= .000154 / 9.4 T= .059 / 18.3 LAT=-10.0 U= .172 / 15.0 V= .191 / 8.6 W= .000017 / 17.9 T= .076 / 18.0 LAT= 24.0 U= .183 / 14.8 V= .168 / 8.8 W= .000017 / 17.9 T= .076 / 18.0 LAT= 24.0 U= .183 / 14.8 V= .168 / 8.8 W= .000059 / 21.0 T= .105 / 17.8 LAT= 24.0 U= .184 / 14.9 V= .194 / 20.5 W= .000059 / 21.0 T= .105 / 17.8 LAT= 24.0 U= .183 / 14.8 V= .168 / 8.9 W= .000059 / 21.0 T= .105 / 17.8 LAT= 24.0 U= .186 / 14.6 V= .186 / 20.4 W= .000059 / 21.0 T= .105 / 17.8 LAT= 24.0 U= .186 / 14.6 V= .186 / 20.4 W= .000059 / 21.0 T= .105 / 17.8 LAT= 24.0 U= .186 / 14.6 V= .186 / 20.4 W= .000059 / 21.0 T= .105 / 17.8 LAT= 24.0 U= .134 / 14.9 V= .194 / 20.5 W= .000059 / 21.0 T= .105 / 17.8 LAT= 24.0 U= .186 /									
LAT= 48.0 U= .051 / 15.5 V= .055 / 22.5 W= .000080 / 9.4 T= .072 / 21.0 LAT= 54.0 U= .043 / 16.7 V= .048 / 23.3 W= .000043 / 9.4 T= .077 / 20.8 LAT= 60.0 U= .046 / 17.6 V= .048 / 23.8 W= .000023 / 9.4 T= .077 / 20.7 LAT= 66.0 U= .046 / 17.9 V= .051 / 23.9 W= .000011 / 9.4 T= .072 / 20.6 LAT= 72.0 U= .055 / 18.0 V= .054 / 24.0 W= .000011 / 9.4 T= .060 / 20.6 LAT= 78.0 U= .064 / 18.0 V= .066 / 24.0 W= .000005 / 9.4 T= .065 / 20.5 LAT= 78.0 U= .064 / 18.0 V= .066 / 24.0 W= .000002 / 9.4 T= .065 / 20.5 LAT= 78.0 U= .101 / 6.7 V= .105 / .7 W= .000024 / 17.8 T= .065 / 17.8 LAT=-60.0 U= .063 / 8.1 V= .098 / .7 W= .000024 / 17.8 T= .065 / 17.8 LAT=-60.0 U= .063 / 8.1 V= .098 / .7 W= .000024 / 15.8 T= .101 / 17.9 LAT=-60.0 U= .063 / 8.1 V= .088 / .9 W= .000023 / 12.8 T= .109 / 18.0 LAT=-54.0 U= .054 / 10.2 V= .073 / 1.2 W= .000024 / 10.8 T= .109 / 18.0 LAT=-48.0 U= .060 / 11.8 V= .058 / 2.3 W= .000081 / 9.8 T= .109 / 18.0 LAT=-36.0 U= .135 / 14.3 V= .080 / 6.9 W= .000037 / 9.4 T= .099 / 18.1 LAT=-36.0 U= .135 / 14.3 V= .080 / 6.9 W= .0000137 / 9.4 T= .099 / 18.1 LAT=-24.0 U= .166 / 14.6 V= .124 / 8.0 W= .000137 / 9.4 T= .099 / 18.1 LAT=-18.0 U= .135 / 14.3 V= .080 / 6.9 W= .000017 / 17.9 T= .099 / 18.1 LAT=-18.0 U= .172 / 15.0 V= .168 / 8.4 W= .000157 / 9.4 T= .059 / 18.3 LAT=-10.0 U= .135 / 14.3 V= .080 / 6.9 W= .00017 / 17.9 T= .059 / 18.3 LAT=-10.0 U= .133 / 15.1 V= .168 / 8.4 W= .000157 / 9.4 T= .059 / 18.3 LAT=-10.0 U= .135 / 14.3 V= .080 / 6.9 W= .00017 / 17.9 T= .076 / 18.0 LAT=-12.0 U= .133 / 15.1 V= .168 / 8.4 W= .000157 / 9.4 T= .059 / 18.3 LAT=-10.0 U= .136 / 14.8 V= .168 / 8.4 W= .000157 / 9.4 T= .059 / 18.3 LAT=-10.0 U= .136 / 14.6 V= .124 / 8.0 W= .000157 / 9.4 T= .059 / 18.3 LAT=-10.0 U= .136 / 14.3 V= .096 / 18.0 W= .000157 / 9.3 T= .056 / 18.0 LAT=-6.0 U= .090 / 15.3 V= .094 / 8.9 W= .0000559 / 21.0 T= .105 / 17.8 LAT=-6.0 U= .090 / 15.4 V= .016 / 19.3 W= .000059 / 21.0 T= .105 / 17.8 LAT= 6.0 U= .055 / 8.3 V= .056 / 12.4 V= .0000 / 9.3 T= .026 / 18.5 LAT= 80.0 U= .176 / 14.6 V= .186 / 20.4 W= .0000059									
LAT= 54.0 U= .043 / 16.7 V= .048 / 23.3 W= .000023 / 9.4 T= .077 / 20.8 LAT= 60.0 U= .040 / 17.6 V= .048 / 23.8 W= .000023 / 9.4 T= .077 / 20.7 LAT= 66.0 U= .046 / 17.9 V= .051 / 23.9 W= .000021 / 9.4 T= .077 / 20.6 LAT= 72.0 U= .055 / 18.0 V= .054 / 24.0 W= .000005 / 9.4 T= .060 / 20.6 LAT= 78.0 U= .064 / 18.0 V= .060 / 24.0 W= .000005 / 9.4 T= .060 / 20.5 Z= 2.078 KM LAT=-78.0 U= .109 / 6.6 V= .110 / .6 W= .000022 / 9.4 T= .065 / 17.8 LAT=-72.0 U= .101 / 6.7 V= .055 / .7 W= .000024 / 17.8 T= .085 / 17.8 LAT=-66.0 U= .083 / 7.1 V= .098 / .7 W= .000024 / 17.8 T= .085 / 17.8 LAT=-66.0 U= .063 / 8.1 V= .088 / .9 W= .000023 / 12.8 T= .101 / 17.9 LAT=-54.0 U= .054 / 10.2 V= .073 / 1.2 W= .000024 / 18.0 T= .109 / 18.0 LAT=-48.0 U= .060 / 11.8 V= .058 / 2.3 W= .000023 / 9.4 T= .099 / 18.1 LAT=-36.0 U= .060 / 13.4 V= .054 / 4.7 W= .000023 / 2.8 T= .109 / 18.1 LAT=-36.0 U= .135 / 14.3 V= .080 / 6.9 W= .00013 / 9.4 T= .090 / 18.1 LAT=-36.0 U= .135 / 14.3 V= .080 / 6.9 W= .00013 / 9.4 T= .090 / 18.1 LAT=-18.0 U= .133 / 14.8 V= .168 / 8.8 W= .000190 / 9.3 T= .071 / 18.3 LAT=-18.0 U= .172 / 15.0 V= .191 / 8.6 W= .00017 / 17.9 T= .076 / 18.0 LAT=-6.0 U= .033 / 14.8 V= .168 / 8.8 W= .00017 / 17.9 T= .076 / 18.0 LAT=-6.0 U= .090 / 15.3 V= .168 / 8.8 W= .00017 / 17.9 T= .076 / 18.0 LAT=-6.0 U= .090 / 15.3 V= .094 / 8.9 W= .00017 / 17.9 T= .076 / 18.0 LAT= 12.0 U= .134 / 14.9 V= .168 / 8.8 W= .00024 / 20.8 T= .099 / 17.7 LAT= 12.0 U= .134 / 14.9 V= .194 / 20.6 W= .00047 / 21.0 T= .133 / 17.7 LAT= 12.0 U= .134 / 14.9 V= .194 / 20.6 W= .000264 / 20.8 T= .090 / 17.7 LAT= 12.0 U= .136 / 14.3 V= .168 / 20.4 W= .000138 / 9.5 T= .005 / 18.4 LAT=-6.0 U= .090 / 15.2 V= .124 / 20.5 W= .00047 / 21.0 T= .126 / 17.7 LAT= 12.0 U= .136 / 14.3 V= .066 / 12.4 W= .000138 / 9.5 T= .009 / 17.7 LAT= 12.0 U= .134 / 14.9 V= .194 / 20.6 W= .000264 / 20.8 T= .090 / 17.7 LAT= 12.0 U= .136 / 14.3 V= .066 / 12.4 W= .000139 / 9.3 T= .0056 / 18.5 LAT= 36.0 U= .006 / 12.4 V= .006 / 12.9 W= .000027 / 11.3 T= .0076 / 18.0 LAT= 36.0 U= .006 / 12.4 V= .006 / 1									
LAT= 60.0 U= .040 / 17.6 V= .048 / 23.8 W= .000023 / 9.4 T= .077 / 20.7 LAT= 66.0 U= .046 / 17.9 V= .051 / 23.9 W= .000011 / 9.4 T= .072 / 20.6 LAT= 72.0 U= .055 / 18.0 V= .054 / 24.0 W= .000005 / 9.4 T= .060 / 20.6 LAT= 78.0 U= .064 / 18.0 V= .060 / 24.0 W= .000002 / 9.4 T= .045 / 20.5 Z= 2.078 KM LAT=-78.0 U= .109 / 6.6 V= .110 / .6 W= .00002 / 9.4 T= .062 / 17.8 LAT=-72.0 U= .101 / 6.7 V= .105 / .7 W= .000024 / 17.8 T= .085 / 17.8 LAT=-66.0 U= .063 / 8.1 V= .088 / .7 W= .000024 / 17.8 T= .085 / 17.8 LAT=-66.0 U= .063 / 8.1 V= .088 / .9 W= .000023 / 12.8 T= .101 / 17.9 LAT=-54.0 U= .054 / 10.2 V= .073 / 1.2 W= .000023 / 12.8 T= .109 / 18.0 LAT=-64.0 U= .066 / 11.8 V= .058 / 2.3 W= .000081 / 9.8 T= .104 / 18.0 LAT=-42.0 U= .067 / 13.4 V= .058 / 2.3 W= .000081 / 9.8 T= .104 / 18.0 LAT=-30.0 U= .135 / 14.3 V= .080 / 6.9 W= .000137 / 9.4 T= .090 / 18.1 LAT=-24.0 U= .183 / 14.8 V= .168 / 8.4 W= .000137 / 9.4 T= .059 / 18.8 LAT=-18.0 U= .152 / 15.0 V= .191 / 8.6 W= .00017 / 17.9 T= .076 / 18.0 LAT=-18.0 U= .172 / 15.0 V= .191 / 8.6 W= .00017 / 17.9 T= .076 / 18.0 LAT=-18.0 U= .172 / 15.0 V= .191 / 8.6 W= .000017 / 17.9 T= .076 / 18.0 LAT=-18.0 U= .090 / 15.3 V= .094 / 8.9 W= .000020 / 10.7 T= .133 / 17.7 LAT= 0.0 U= .090 / 15.2 V= .124 / 8.0 W= .00017 / 17.9 T= .076 / 18.0 LAT=-18.0 U= .071 / 15.4 V= .168 / 8.8 W= .000248 / 20.9 T= .105 / 17.8 LAT=-18.0 U= .071 / 15.4 V= .168 / 8.8 W= .000248 / 20.9 T= .105 / 17.8 LAT=-18.0 U= .071 / 15.4 V= .016 / 19.3 W= .000559 / 21.0 T= .133 / 17.7 LAT= 10.0 U= .071 / 15.4 V= .016 / 19.3 W= .000025 / 12.0 T= .133 / 17.7 LAT= 12.0 U= .134 / 14.9 V= .166 / 19.3 W= .000025 / 12.0 T= .133 / 17.7 LAT= 12.0 U= .134 / 14.9 V= .166 / 19.3 W= .000026 / 20.8 T= .090 / 17.7 LAT= 12.0 U= .134 / 14.9 V= .166 / 19.3 W= .000026 / 20.8 T= .090 / 17.7 LAT= 12.0 U= .135 / 14.3 V= .066 / 19.3 W= .000026 / 9.3 T= .056 / 18.5 LAT= 30.0 U= .055 / 8.3 V= .054 / 17.4 W= .000138 / 9.5 T= .033 / 18.3 LAT= 30.0 U= .055 / 8.3 V= .006 / 19.3 W= .000027 / 11.3 T= .006 / 18.0 LAT= 60.0 U= .055 / 8.3 V= .00									
LAT= 72.0 U= .046 / 17.9 V= .051 / 23.9 W= .000011 / 9.4 T= .072 / 20.6 LAT= 72.0 U= .055 / 18.0 V= .054 / 24.0 W= .000005 / 9.4 T= .060 / 20.6 LAT= 78.0 U= .064 / 18.0 V= .060 / 24.0 W= .000002 / 9.4 T= .045 / 20.5 Z= 2.078 KM LAT=-78.0 U= .109 / 6.6 V= .110 / .6 W= .000031 / 19.2 T= .062 / 17.8 LAT=-72.0 U= .101 / 6.7 V= .105 / .7 W= .000024 / 17.8 T= .085 / 17.8 LAT=-66.0 U= .083 / 7.1 V= .098 / .7 W= .000024 / 17.8 T= .085 / 17.8 LAT=-66.0 U= .063 / 8.1 V= .098 / .7 W= .000020 / 15.8 T= .101 / 17.9 LAT=-64.0 U= .054 / 10.2 V= .073 / 1.2 W= .000023 / 12.8 T= .109 / 18.0 LAT=-48.0 U= .060 / 11.8 V= .058 / 2.3 W= .000081 / 9.8 T= .109 / 18.0 LAT=-36.0 U= .060 / 11.8 V= .058 / 2.3 W= .000081 / 9.8 T= .104 / 18.0 LAT=-36.0 U= .135 / 14.3 V= .058 / 2.3 W= .000137 / 9.4 T= .090 / 18.1 LAT=-36.0 U= .166 / 14.6 V= .124 / 8.0 W= .000137 / 9.4 T= .090 / 18.1 LAT=-24.0 U= .183 / 14.8 V= .168 / 8.4 W= .000154 / 9.4 T= .059 / 18.3 LAT=-18.0 U= .172 / 15.0 V= .191 / 8.6 W= .00014 / 9.4 T= .059 / 18.3 LAT=-6.0 U= .133 / 15.1 V= .168 / 8.8 W= .000017 / 17.9 T= .076 / 18.0 LAT=-6.0 U= .090 / 15.3 V= .094 / 8.9 W= .000047 / 21.0 T= .133 / 17.7 LAT= .00 U= .134 / 14.9 V= .194 / 20.6 W= .00027 / 21.0 T= .133 / 17.7 LAT= .00 U= .134 / 14.9 V= .194 / 20.6 W= .000017 / 21.0 T= .133 / 17.7 LAT= .00 U= .134 / 14.9 V= .194 / 20.6 W= .000017 / 21.0 T= .133 / 17.7 LAT= .24.0 U= .134 / 14.9 V= .194 / 20.5 W= .000035 / 9.3 T= .059 / 17.8 LAT= .6.0 U= .090 / 15.2 V= .191 / 20.5 W= .000037 / 21.0 T= .105 / 17.8 LAT= .00 U= .134 / 14.9 V= .194 / 20.5 W= .000037 / 21.0 T= .105 / 17.8 LAT= .00 U= .134 / 14.9 V= .194 / 20.5 W= .000037 / 21.0 T= .105 / 17.8 LAT= .00 U= .136 / 14.3 V= .006 / 19.3 W= .000059 / 21.0 T= .105 / 17.8 LAT= .00 U= .134 / 14.9 V= .194 / 20.5 W= .000037 / 21.0 T= .105 / 17.8 LAT= .00 U= .136 / 14.3 V= .006 / 19.3 W= .000069 / 21.0 T= .105 / 17.8 LAT= .000 U= .174 / 14.8 V= .186 / 20.4 W= .0000138 / 9.5 T= .030 / 18.3 LAT= .00 U= .136 / 14.3 V= .006 / 19.3 W= .000069 / 9.3 T= .005 / 18.0 LAT= .000 U= .105 / 13.7 V= .006		_							
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LAT= 78.0 U= .064 / 18.0 V= .060 / 24.0 W= .000002 / 9.4 T= .045 / 20.5 Z= 2.078 KM LAT=-78.0 U= .109 / 6.6 V= .110 / .6 W= .000031 / 19.2 T= .062 / 17.8 LAT=-72.0 U= .101 / 6.7 V= .105 / .7 W= .000024 / 17.8 T= .085 / 17.8 LAT=-66.0 U= .083 / 7.1 V= .098 / .7 W= .000024 / 17.8 T= .101 / 17.9 LAT=-60.0 U= .063 / 8.1 V= .088 / .9 W= .000023 / 12.8 T= .101 / 17.9 LAT=-54.0 U= .054 / 10.2 V= .073 / 1.2 W= .000042 / 10.8 T= .109 / 18.0 LAT=-48.0 U= .060 / 11.8 V= .058 / 2.3 W= .000042 / 10.8 T= .109 / 18.1 LAT=-42.0 U= .087 / 13.4 V= .058 / 2.3 W= .000037 / 9.4 T= .090 / 18.1 LAT=-30.0 U= .135 / 14.3 V= .080 / 6.9 W= .000137 / 9.4 T= .090 / 18.1 LAT=-24.0 U= .183 / 14.8 V= .168 / 8.4 W= .000137 / 9.3 T= .071 / 18.3 LAT=-18.0 U= .172 / 15.0 V= .191 / 8.6 W= .00017 / 17.9 T= .059 / 18.3 LAT=-6.0 U= .090 / 15.3 V= .094 / 8.9 W= .000017 / 17.9 T= .076 / 18.0 LAT= 6.0 U= .090 / 15.4 V= .094 / 8.9 W= .000264 / 20.8 T= .105 / 17.8 LAT= 12.0 U= .133 / 14.9 V= .194 / 20.6 W= .000264 / 20.8 T= .090 / 17.7 LAT= 18.0 U= .174 / 14.8 V= .194 / 20.5 W= .00037 / 21.0 T= .133 / 17.7 LAT= 18.0 U= .174 / 14.8 V= .194 / 20.5 W= .000264 / 20.8 T= .090 / 17.7 LAT= 24.0 U= .187 / 14.7 V= .184 / 20.5 W= .00035 / 19.1 T= .054 / 17.9 LAT= 36.0 U= .136 / 14.3 V= .194 / 20.6 W= .000264 / 20.8 T= .090 / 17.7 LAT= 18.0 U= .174 / 14.8 V= .194 / 20.6 W= .00038 / 9.5 T= .030 / 18.3 LAT= 36.0 U= .136 / 14.3 V= .087 / 17.4 W= .000138 / 9.5 T= .030 / 18.3 LAT= 36.0 U= .136 / 14.3 V= .087 / 17.4 W= .000138 / 9.5 T= .035 / 18.4 LAT= 42.0 U= .187 / 14.7 V= .086 / 17.4 W= .000139 / 9.3 T= .051 / 18.2 LAT= 36.0 U= .136 / 14.3 V= .087 / 17.4 W= .000037 / 13.1 T= .076 / 18.0 LAT= 60.0 U= .092 / 13.7 V= .054 / 17.4 W= .000037 / 13.1 T= .076 / 18.0 LAT= 60.0 U= .095 / 8.3 V= .067 / 14.8 W= .000047 / 10.0 T= .0373 / 18.0 LAT= 60.0 U= .065 / 8.3 V= .072 / 12.9 W= .000017 / 13.1 T= .076 / 18.0 LAT= 60.0 U= .065 / 8.3 V= .072 / 12.9 W= .000017 / 13.1 T= .076 / 18.0									
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LAT=-78.0 U= .109 / 6.6 V= .110 / .6 W= .000031 / 19.2 T= .062 / 17.8 LAT=-72.0 U= .101 / 6.7 V= .105 / .7 W= .000024 / 17.8 T= .085 / 17.8 LAT=-66.0 U= .083 / 7.1 V= .098 / .7 W= .000020 / 15.8 T= .101 / 17.9 LAT=-66.0 U= .063 / 8.1 V= .088 / .9 W= .000023 / 12.8 T= .109 / 18.0 LAT=-54.0 U= .054 / 10.2 V= .073 / 1.2 W= .000042 / 10.8 T= .109 / 18.0 LAT=-48.0 U= .060 / 11.8 V= .058 / 2.3 W= .000081 / 9.8 T= .104 / 18.0 LAT=-42.0 U= .087 / 13.4 V= .058 / 2.3 W= .000081 / 9.8 T= .104 / 18.0 LAT=-36.0 U= .135 / 14.3 V= .058 / 2.4 W= .000137 / 9.4 T= .090 / 18.1 LAT=-30.0 U= .135 / 14.3 V= .080 / 6.9 W= .000190 / 9.3 T= .071 / 18.3 LAT=-30.0 U= .183 / 14.8 V= .168 / 8.4 W= .000114 / 9.3 T= .059 / 18.4 LAT=-24.0 U= .183 / 14.8 V= .168 / 8.4 W= .000154 / 9.4 T= .059 / 18.4 LAT=-12.0 U= .133 / 15.1 V= .168 / 8.8 W= .000248 / 20.9 T= .076 / 18.0 LAT=-6.0 U= .090 / 15.3 V= .094 / 8.9 W= .000190 / 9.3 T= .076 / 18.0 LAT= 6.0 U= .090 / 15.3 V= .094 / 8.9 W= .000467 / 21.0 T= .133 / 17.7 LAT= .0.0 U= .071 / 15.4 V= .016 / 19.3 W= .000559 / 21.0 T= .143 / 17.6 LAT= 12.0 U= .134 / 14.9 V= .194 / 20.6 W= .000264 / 20.8 T= .090 / 17.7 LAT= 18.0 U= .174 / 14.8 V= .194 / 20.6 W= .000264 / 20.8 T= .090 / 17.7 LAT= 30.0 U= .174 / 14.8 V= .214 / 20.5 W= .000477 / 21.0 T= .126 / 17.7 LAT= 30.0 U= .174 / 14.8 V= .214 / 20.5 W= .000477 / 21.0 T= .126 / 17.7 LAT= 30.0 U= .174 / 14.8 V= .214 / 20.5 W= .000477 / 21.0 T= .126 / 17.7 LAT= 30.0 U= .174 / 14.8 V= .214 / 20.5 W= .000035 / 19.1 T= .054 / 17.9 LAT= 30.0 U= .174 / 14.8 V= .214 / 20.5 W= .000035 / 19.1 T= .054 / 17.9 LAT= 30.0 U= .174 / 14.8 V= .016 / 19.3 W= .000185 / 9.3 T= .026 / 18.5 LAT= 30.0 U= .174 / 14.8 V= .0061 / 19.3 W= .000185 / 9.3 T= .035 / 18.4 LAT= 42.0 U= .092 / 13.7 V= .066 / 19.3 W= .0000077 / 13.1 T= .056 / 18.0 LAT= 60.0 U= .055 / 8.3 V= .0072 / 12.9 W= .0000077 / 13.1 T= .056 / 18.0 LAT= 60.0 U= .055 / 8.3 V= .072 / 12.9 W= .0000077 / 13.1 T= .076 / 18.0 LAT= 60.0 U= .055 / 8.3 V= .072 / 12.9 W= .0000017 / 13.1 T= .076 / 18.0 LAT= 72.0 U= .075 / 7.0 V= .086	LAT= 78.0	U≖	.064 / 18.0	V =	.060 / 24.0	₩≃	.000002 / 9.4	τ=	.045 / 20.5
LAT=-78.0 U= .109 / 6.6 V= .110 / .6 W= .000031 / 19.2 T= .062 / 17.8 LAT=-72.0 U= .101 / 6.7 V= .105 / .7 W= .000024 / 17.8 T= .085 / 17.8 LAT=-66.0 U= .083 / 7.1 V= .098 / .7 W= .000020 / 15.8 T= .101 / 17.9 LAT=-66.0 U= .063 / 8.1 V= .088 / .9 W= .000023 / 12.8 T= .109 / 18.0 LAT=-54.0 U= .054 / 10.2 V= .073 / 1.2 W= .000042 / 10.8 T= .109 / 18.0 LAT=-48.0 U= .060 / 11.8 V= .058 / 2.3 W= .000081 / 9.8 T= .104 / 18.0 LAT=-42.0 U= .087 / 13.4 V= .058 / 2.3 W= .000081 / 9.8 T= .104 / 18.0 LAT=-36.0 U= .135 / 14.3 V= .080 / 6.9 W= .000137 / 9.4 T= .090 / 18.1 LAT=-30.0 U= .166 / 14.6 V= .124 / 8.0 W= .000137 / 9.4 T= .090 / 18.1 LAT=-24.0 U= .183 / 14.8 V= .168 / 8.4 W= .000114 / 9.3 T= .059 / 18.4 LAT=-12.0 U= .133 / 15.1 V= .168 / 8.4 W= .000154 / 9.4 T= .059 / 18.3 LAT=-12.0 U= .133 / 15.1 V= .168 / 8.8 W= .000248 / 20.9 T= .105 / 17.8 LAT= -6.0 U= .090 / 15.3 V= .094 / 8.9 W= .000467 / 21.0 T= .133 / 17.6 LAT= .00 U= .071 / 15.4 V= .016 / 19.3 W= .000559 / 21.0 T= .143 / 17.6 LAT= 12.0 U= .134 / 14.9 V= .194 / 20.6 W= .000477 / 21.0 T= .143 / 17.6 LAT= 12.0 U= .134 / 14.9 V= .194 / 20.6 W= .000264 / 20.8 T= .090 / 17.7 LAT= 18.0 U= .174 / 14.8 V= .214 / 20.5 W= .000477 / 21.0 T= .126 / 17.7 LAT= 30.0 U= .174 / 14.8 V= .214 / 20.5 W= .000477 / 21.0 T= .126 / 17.7 LAT= 30.0 U= .174 / 14.8 V= .214 / 20.5 W= .000477 / 21.0 T= .126 / 17.7 LAT= 30.0 U= .174 / 14.8 V= .214 / 20.5 W= .000477 / 21.0 T= .126 / 17.7 LAT= 30.0 U= .174 / 14.8 V= .214 / 20.5 W= .000477 / 21.0 T= .054 / 17.9 LAT= 30.0 U= .174 / 14.8 V= .214 / 20.5 W= .00035 / 19.1 T= .054 / 17.9 LAT= 30.0 U= .176 / 14.7 V= .186 / 20.4 W= .000138 / 9.5 T= .030 / 18.3 LAT= 30.0 U= .176 / 14.7 V= .186 / 20.4 W= .000138 / 9.5 T= .030 / 18.3 LAT= 30.0 U= .176 / 14.7 V= .186 / 20.4 W= .000138 / 9.5 T= .030 / 18.5 LAT= 30.0 U= .176 / 14.7 V= .066 / 17.4 W= .000139 / 9.3 T= .056 / 18.5 LAT= 30.0 U= .055 / 8.3 V= .0072 / 12.9 W= .000047 / 10.0 T= .073 / 18.0 LAT= 60.0 U= .055 / 8.3 V= .0072 / 12.9 W= .000047 / 10.0 T= .076 / 18.0 LAT= 60.0 U= .055 / 8.3 V= .0072 /	Z= 2.078	KM							
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LAT=-60.0 U= .063 / 8.1 V= .088 / .9 W= .000023 / 12.8 T= .109 / 18.0 LAT=-54.0 U= .054 / 10.2 V= .073 / 1.2 W= .000042 / 10.8 T= .109 / 18.0 LAT=-48.0 U= .060 / 11.8 V= .058 / 2.3 W= .000081 / 9.8 T= .104 / 18.0 LAT=-42.0 U= .087 / 13.4 V= .054 / 4.7 W= .000137 / 9.4 T= .090 / 18.1 LAT=-36.0 U= .135 / 14.3 V= .080 / 6.9 W= .000190 / 9.3 T= .071 / 18.3 LAT=-30.0 U= .166 / 14.6 V= .124 / 8.0 W= .000190 / 9.3 T= .059 / 18.4 LAT=-24.0 U= .183 / 14.8 V= .168 / 8.4 W= .000154 / 9.4 T= .059 / 18.3 LAT=-18.0 U= .172 / 15.0 V= .191 / 8.6 W= .000017 / 17.9 T= .076 / 18.0 LAT=-6.0 U= .090 / 15.3 V= .094 / 8.9 W= .000467 / 21.0 T= .105 / 17.8 LAT= .60 U= .090 / 15.3 V= .094 / 8.9 W= .000467 / 21.0 T= .133 / 17.7 LAT= 0.0 U= .071 / 15.4 V= .016 / 19.3 W= .000559 / 21.0 T= .143 / 17.6 LAT= 12.0 U= .134 / 14.9 V= .194 / 20.5 W= .000477 / 21.0 T= .126 / 17.7 LAT= 12.0 U= .134 / 14.9 V= .194 / 20.5 W= .000467 / 21.0 T= .126 / 17.7 LAT= 18.0 U= .174 / 14.8 V= .214 / 20.5 W= .000477 / 21.0 T= .090 / 17.7 LAT= 24.0 U= .187 / 14.7 V= .186 / 20.4 W= .00035 / 19.1 T= .054 / 17.9 LAT= 30.0 U= .174 / 14.8 V= .214 / 20.5 W= .000467 / 21.0 T= .090 / 17.7 LAT= 30.0 U= .170 / 14.6 V= .138 / 20.1 W= .000138 / 9.5 T= .030 / 18.3 LAT= 36.0 U= .170 / 14.6 V= .138 / 20.1 W= .000138 / 9.5 T= .030 / 18.3 LAT= 36.0 U= .170 / 14.6 V= .138 / 20.1 W= .000138 / 9.5 T= .030 / 18.3 LAT= 36.0 U= .136 / 14.3 V= .087 / 19.3 W= .000185 / 9.3 T= .026 / 18.5 LAT= 36.0 U= .059 / 12.4 V= .050 / 14.8 W= .000138 / 9.5 T= .035 / 18.4 LAT= 42.0 U= .066 / 10.1 V= .061 / 13.4 W= .000139 / 9.3 T= .056 / 18.5 LAT= 54.0 U= .066 / 10.1 V= .061 / 13.4 W= .000047 / 10.0 T= .073 / 18.0 LAT= 66.0 U= .055 / 8.3 V= .072 / 12.9 W= .000047 / 10.0 T= .073 / 18.0 LAT= 66.0 U= .055 / 8.3 V= .072 / 12.9 W= .0000017 / 13.1 T= .076 / 18.0 LAT= 72.0 U= .075 / 7.0 V= .086 / 12.6 W= .000012 / 15.7 T= .060 / 18.0 LAT= 72.0 U= .075 / 7.0 V= .086 / 12.6 W= .000012 / 15.7 T= .060 / 18.0 LAT= 72.0 U= .075 / 7.0 V= .086 / 12.6 W= .000012 / 15.7 T= .060 / 18.0 LAT= 72.0 U= .075 / 7.0 V= .086 /	LAT=-72.0	Ų≖	.101 / 6.7	V۳		W =	.000024 / 17.8	T≖	.085 / 17.8
LAT=-54.0 U= .054 / 10.2 V= .073 / 1.2 W= .000042 / 10.8 T= .109 / 18.1 LAT=-48.0 U= .060 / 11.8 V= .058 / 2.3 W= .000081 / 9.8 T= .104 / 18.0 LAT=-42.0 U= .087 / 13.4 V= .054 / 4.7 W= .000137 / 9.4 T= .090 / 18.1 LAT=-36.0 U= .135 / 14.3 V= .080 / 6.9 W= .000190 / 9.3 T= .071 / 18.3 LAT=-30.0 U= .166 / 14.6 V= .124 / 8.0 W= .000154 / 9.4 T= .059 / 18.3 LAT=-24.0 U= .183 / 14.8 V= .168 / 8.4 W= .000154 / 9.4 T= .059 / 18.3 LAT=-18.0 U= .172 / 15.0 V= .191 / 8.6 W= .00017 / 17.9 T= .076 / 18.0 LAT=-12.0 U= .133 / 15.1 V= .168 / 8.8 W= .000248 / 20.9 T= .076 / 18.0 LAT=-6.0 U= .090 / 15.3 V= .094 / 8.9 W= .000467 / 21.0 T= .133 / 17.7 LAT= 0.0 U= .071 / 15.4 V= .016 / 19.3 W= .000559 / 21.0 T= .133 / 17.7 LAT= 6.0 U= .090 / 15.2 V= .123 / 20.5 W= .000477 / 21.0 T= .126 / 17.7 LAT= 12.0 U= .134 / 14.9 V= .194 / 20.6 W= .000264 / 20.8 T= .090 / 17.7 LAT= 24.0 U= .134 / 14.8 V= .214 / 20.5 W= .000035 / 19.1 T= .054 / 17.9 LAT= 24.0 U= .136 / 14.3 V= .186 / 20.4 W= .000265 / 9.3 T= .030 / 18.3 LAT= 36.0 U= .170 / 14.6 V= .138 / 20.1 W= .000200 / 9.3 T= .036 / 18.5 LAT= 36.0 U= .092 / 13.7 V= .064 / 17.4 W= .000139 / 9.3 T= .035 / 18.4 LAT= 42.0 U= .092 / 13.7 V= .054 / 17.4 W= .000139 / 9.3 T= .056 / 18.5 LAT= 54.0 U= .059 / 12.4 V= .050 / 14.8 W= .000047 / 10.0 T= .073 / 18.0 LAT= 54.0 U= .055 / 8.3 V= .072 / 12.9 W= .000047 / 10.0 T= .073 / 18.0 LAT= 66.0 U= .055 / 8.3 V= .072 / 12.9 W= .000017 / 13.1 T= .076 / 18.0 LAT= 66.0 U= .055 / 7.4 V= .080 / 12.7 W= .000017 / 13.1 T= .076 / 18.0 LAT= 60.0 U= .055 / 7.4 V= .080 / 12.7 W= .000017 / 13.1 T= .076 / 18.0 LAT= 60.0 U= .055 / 8.3 V= .072 / 12.9 W= .000017 / 13.1 T= .076 / 18.0 LAT= 72.0 U= .075 / 7.0 V= .086 / 12.6 W= .000012 / 15.7 T= .060 / 18.0	LAT=-66.0	U=	.083 / 7.1	V =	.098 / .7	M=	.000020 / 15.B	T=	.101 / 17.9
LAT=-48.0 U= .060 / 11.8 V= .058 / 2.3 W= .000081 / 9.8 T= .104 / 18.0 LAT=-42.0 U= .087 / 13.4 V= .054 / 4.7 W= .000137 / 9.4 T= .090 / 18.1 LAT=-36.0 U= .135 / 14.3 V= .080 / 6.9 W= .000137 / 9.4 T= .090 / 18.1 LAT=-30.0 U= .166 / 14.6 V= .124 / 8.0 W= .000190 / 9.3 T= .071 / 18.3 LAT=-24.0 U= .183 / 14.8 V= .168 / 8.4 W= .000154 / 9.4 T= .059 / 18.4 LAT=-18.0 U= .172 / 15.0 V= .191 / 8.6 W= .000154 / 9.4 T= .059 / 18.3 LAT=-18.0 U= .172 / 15.0 V= .191 / 8.6 W= .000154 / 9.4 T= .059 / 18.3 LAT=-12.0 U= .133 / 15.1 V= .168 / 8.8 W= .000248 / 20.9 T= .105 / 17.8 LAT= 0.0 U= .090 / 15.3 V= .094 / 8.9 W= .000467 / 21.0 T= .105 / 17.8 LAT= 0.0 U= .071 / 15.4 V= .016 / 19.3 W= .000559 / 21.0 T= .143 / 17.6 LAT= 6.0 U= .090 / 15.2 V= .123 / 20.5 W= .000477 / 21.0 T= .126 / 17.7 LAT= 12.0 U= .134 / 14.9 V= .194 / 20.5 W= .000248 / 20.8 T= .090 / 17.7 LAT= 24.0 U= .174 / 14.8 V= .214 / 20.5 W= .000264 / 20.8 T= .090 / 17.7 LAT= 30.0 U= .174 / 14.8 V= .214 / 20.5 W= .00035 / 19.1 T= .054 / 17.9 LAT= 30.0 U= .174 / 14.6 V= .138 / 20.1 W= .000200 / 9.3 T= .030 / 18.3 LAT= 36.0 U= .136 / 14.3 V= .186 / 20.4 W= .000138 / 9.5 T= .030 / 18.3 LAT= 36.0 U= .136 / 14.3 V= .087 / 19.3 W= .000185 / 9.3 T= .035 / 18.4 LAT= 42.0 U= .059 / 12.4 V= .054 / 17.4 W= .000139 / 9.3 T= .055 / 18.4 LAT= 54.0 U= .059 / 12.4 V= .050 / 14.8 W= .000086 / 9.4 T= .064 / 18.1 LAT= 54.0 U= .056 / 10.1 V= .061 / 13.4 W= .000007 / 13.1 T= .076 / 18.0 LAT= 66.0 U= .055 / 8.3 V= .072 / 12.9 W= .000007 / 13.1 T= .076 / 18.0 LAT= 66.0 U= .055 / 8.3 V= .072 / 12.9 W= .000007 / 13.1 T= .076 / 18.0 LAT= 66.0 U= .055 / 8.3 V= .072 / 12.9 W= .000007 / 13.1 T= .076 / 18.0 LAT= 60.0 U= .055 / 7.4 V= .080 / 12.7 W= .000017 / 13.1 T= .076 / 18.0 LAT= 72.0 U= .075 / 7.0 V= .080 / 12.7 W= .000012 / 15.7 T= .060 / 18.0	LAT=-60.0	U=	.063 / 8.1	V =	.088 / .9	W =	.000023 / 12.8	T =	.109 / 18.0
LAT=-48.0 U= .060 / 11.8 V= .058 / 2.3 W= .000081 / 9.8 T= .104 / 18.0 LAT=-42.0 U= .087 / 13.4 V= .054 / 4.7 W= .000137 / 9.4 T= .090 / 18.1 LAT=-36.0 U= .135 / 14.3 V= .080 / 6.9 W= .000137 / 9.4 T= .090 / 18.1 LAT=-30.0 U= .166 / 14.6 V= .124 / 8.0 W= .000190 / 9.3 T= .071 / 18.3 LAT=-24.0 U= .183 / 14.8 V= .168 / 8.4 W= .000154 / 9.4 T= .059 / 18.4 LAT=-18.0 U= .172 / 15.0 V= .191 / 8.6 W= .000154 / 9.4 T= .059 / 18.3 LAT=-18.0 U= .172 / 15.0 V= .191 / 8.6 W= .000154 / 9.4 T= .059 / 18.3 LAT=-12.0 U= .133 / 15.1 V= .168 / 8.8 W= .000248 / 20.9 T= .105 / 17.8 LAT= 0.0 U= .090 / 15.3 V= .094 / 8.9 W= .000467 / 21.0 T= .105 / 17.8 LAT= 0.0 U= .071 / 15.4 V= .016 / 19.3 W= .000559 / 21.0 T= .143 / 17.6 LAT= 6.0 U= .090 / 15.2 V= .123 / 20.5 W= .000477 / 21.0 T= .126 / 17.7 LAT= 12.0 U= .134 / 14.9 V= .194 / 20.5 W= .000248 / 20.8 T= .090 / 17.7 LAT= 24.0 U= .174 / 14.8 V= .214 / 20.5 W= .000264 / 20.8 T= .090 / 17.7 LAT= 30.0 U= .174 / 14.8 V= .214 / 20.5 W= .00035 / 19.1 T= .054 / 17.9 LAT= 30.0 U= .174 / 14.6 V= .138 / 20.1 W= .000200 / 9.3 T= .030 / 18.3 LAT= 36.0 U= .136 / 14.3 V= .186 / 20.4 W= .000138 / 9.5 T= .030 / 18.3 LAT= 36.0 U= .136 / 14.3 V= .087 / 19.3 W= .000185 / 9.3 T= .035 / 18.4 LAT= 42.0 U= .059 / 12.4 V= .054 / 17.4 W= .000139 / 9.3 T= .055 / 18.4 LAT= 54.0 U= .059 / 12.4 V= .050 / 14.8 W= .000086 / 9.4 T= .064 / 18.1 LAT= 54.0 U= .056 / 10.1 V= .061 / 13.4 W= .000007 / 13.1 T= .076 / 18.0 LAT= 66.0 U= .055 / 8.3 V= .072 / 12.9 W= .000007 / 13.1 T= .076 / 18.0 LAT= 66.0 U= .055 / 8.3 V= .072 / 12.9 W= .000007 / 13.1 T= .076 / 18.0 LAT= 66.0 U= .055 / 8.3 V= .072 / 12.9 W= .000007 / 13.1 T= .076 / 18.0 LAT= 60.0 U= .055 / 7.4 V= .080 / 12.7 W= .000017 / 13.1 T= .076 / 18.0 LAT= 72.0 U= .075 / 7.0 V= .080 / 12.7 W= .000012 / 15.7 T= .060 / 18.0	LAT=-54.0	U=	.054 / 10.2	V =	.073 / 1.2	₩±	.000042 / 10.8	T =	.109 / 18.1
LAT=-36.0 U= .135 / 14.3 V= .080 / 6.9 W= .000190 / 9.3 T= .071 / 18.3 LAT=-30.0 U= .166 / 14.6 V= .124 / 8.0 W= .000211 / 9.3 T= .059 / 18.4 LAT=-24.0 U= .183 / 14.8 V= .168 / 8.4 W= .000154 / 9.4 T= .059 / 18.3 LAT=-18.0 U= .172 / 15.0 V= .191 / 8.6 W= .000174 / 17.9 T= .076 / 18.0 LAT=-12.0 U= .133 / 15.1 V= .168 / 8.8 W= .000248 / 20.9 T= .076 / 18.0 LAT=-6.0 U= .090 / 15.3 V= .094 / 8.9 W= .000467 / 21.0 T= .133 / 17.7 LAT= 0.0 U= .071 / 15.4 V= .016 / 19.3 W= .000467 / 21.0 T= .133 / 17.7 LAT= 12.0 U= .090 / 15.2 V= .123 / 20.5 W= .000477 / 21.0 T= .143 / 17.6 LAT= 6.0 U= .090 / 15.2 V= .123 / 20.5 W= .000477 / 21.0 T= .126 / 17.7 LAT= 12.0 U= .134 / 14.9 V= .194 / 20.6 W= .000264 / 20.8 T= .090 / 17.7 LAT= 18.0 U= .174 / 14.8 V= .214 / 20.5 W= .00035 / 19.1 T= .054 / 17.9 LAT= 24.0 U= .187 / 14.7 V= .186 / 20.4 W= .00035 / 19.1 T= .054 / 17.9 LAT= 30.0 U= .170 / 14.6 V= .138 / 20.1 W= .000200 / 9.3 T= .030 / 18.3 LAT= 36.0 U= .136 / 14.3 V= .087 / 19.3 W= .000185 / 9.3 T= .035 / 18.4 LAT= 42.0 U= .092 / 13.7 V= .054 / 17.4 W= .000185 / 9.3 T= .055 / 18.4 LAT= 54.0 U= .059 / 12.4 V= .050 / 14.8 W= .000086 / 9.4 T= .064 / 18.1 LAT= 66.0 U= .055 / 8.3 V= .072 / 12.9 W= .000017 / 13.1 T= .076 / 18.0 LAT= 66.0 U= .055 / 8.3 V= .072 / 12.9 W= .000017 / 13.1 T= .076 / 18.0 LAT= 60.0 U= .055 / 7.4 V= .080 / 12.7 W= .000017 / 13.1 T= .071 / 18.0 LAT= 72.0 U= .075 / 7.0 V= .086 / 12.6 W= .000012 / 15.7 T= .060 / 18.0	LAT=-48.0			V =		W=		T=	.104 / 18.0
LAT=-30.0 U= .166 / 14.6 V= .124 / 8.0 W= .000211 / 9.3 T= .059 / 18.4 LAT=-24.0 U= .183 / 14.8 V= .168 / 8.4 W= .000154 / 9.4 T= .059 / 18.0 LAT=-18.0 U= .172 / 15.0 V= .191 / 8.6 W= .000017 / 17.9 T= .076 / 18.0 LAT=-12.0 U= .133 / 15.1 V= .168 / 8.8 W= .000248 / 20.9 T= .105 / 17.8 LAT= -6.0 U= .090 / 15.3 V= .094 / 8.9 W= .000467 / 21.0 T= .133 / 17.7 LAT= 6.0 U= .090 / 15.2 V= .016 / 19.3 W= .000559 / 21.0 T= .143 / 17.6 LAT= 6.0 U= .090 / 15.2 V= .123 / 20.5 W= .000477 / 21.0 T= .126 / 17.7 LAT= 12.0 U= .134 / 14.9 V= .194 / 20.6 W= .000264 / 20.8 T= .090 / 17.7 LAT= 18.0 U= .174 / 14.8 V= .214 / 20.5 W= .000035 / 19.1 T= .054 / 17.9 LAT= 24.0 U= .187 / 14.7 V= .186 / 20.4 W= .000138 / 9.5 T= .030 / 18.3 LAT= 30.0 U= .170 / 14.6 V= .138 / 20.1 W= .000138 / 9.5 T= .030 / 18.3 LAT= 36.0 U= .136 / 14.3 V= .087 / 19.3 W= .000185 / 9.3 T= .026 / 18.5 LAT= 42.0 U= .092 / 13.7 V= .054 / 17.4 W= .000139 / 9.3 T= .026 / 18.5 LAT= 48.0 U= .059 / 12.4 V= .050 / 14.8 W= .000086 / 9.4 T= .064 / 18.1 LAT= 54.0 U= .055 / 8.3 V= .072 / 12.9 W= .000017 / 13.1 T= .071 / 18.0 LAT= 66.0 U= .067 / 7.4 V= .080 / 12.6 W= .000012 / 15.7 T= .060 / 18.0 LAT= 72.0 U= .075 / 7.0 V= .086 / 12.6 W= .000012 / 15.7 T= .060 / 18.0									
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LAT=-18.0 U= .172 / 15.0 V= .191 / 8.6 W= .000017 / 17.9 T= .076 / 18.0 LAT=-12.0 U= .133 / 15.1 V= .168 / 8.8 W= .000248 / 20.9 T= .105 / 17.8 LAT= -6.0 U= .090 / 15.3 V= .094 / 8.9 W= .000467 / 21.0 T= .133 / 17.7 LAT= 0.0 U= .071 / 15.4 V= .016 / 19.3 W= .000559 / 21.0 T= .143 / 17.6 LAT= 6.0 U= .090 / 15.2 V= .123 / 20.5 W= .000477 / 21.0 T= .126 / 17.7 LAT= 12.0 U= .134 / 14.9 V= .194 / 20.6 W= .000467 / 21.0 T= .126 / 17.7 LAT= 18.0 U= .174 / 14.8 V= .214 / 20.5 W= .000477 / 21.0 T= .090 / 17.7 LAT= 24.0 U= .187 / 14.7 V= .186 / 20.4 W= .000355 / 19.1 T= .054 / 17.9 LAT= 24.0 U= .170 / 14.6 V= .138 / 20.1 W= .000188 / 9.5 T= .030 / 18.3 LAT= 36.0 U= .170 / 14.6 V= .138 / 20.1 W= .000200 / 9.3 T= .026 / 18.5 LAT= 42.0 U= .092 / 13.7 V= .054 / 17.4 W= .000185 / 9.3 T= .026 / 18.4 LAT= 42.0 U= .092 / 13.7 V= .054 / 17.4 W= .000185 / 9.3 T= .051 / 18.2 LAT= 54.0 U= .059 / 12.4 V= .050 / 14.8 W= .000086 / 9.4 T= .064 / 18.1 LAT= 54.0 U= .055 / 8.3 V= .072 / 12.9 W= .000047 / 10.0 T= .073 / 18.0 LAT= 66.0 U= .055 / 8.3 V= .072 / 12.9 W= .000017 / 13.1 T= .076 / 18.0 LAT= 72.0 U= .075 / 7.0 V= .086 / 12.6 W= .000012 / 15.7 T= .060 / 18.0									
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LAT= 6.0 U= .090 / 15.2 V= .123 / 20.5 W= .000477 / 21.0 T= .126 / 17.7 LAT= 12.0 U= .134 / 14.9 V= .194 / 20.6 W= .000264 / 20.8 T= .090 / 17.7 LAT= 18.0 U= .174 / 14.8 V= .214 / 20.5 W= .000035 / 19.1 T= .054 / 17.9 LAT= 24.0 U= .187 / 14.7 V= .186 / 20.4 W= .000138 / 9.5 T= .030 / 18.3 LAT= 30.0 U= .170 / 14.6 V= .138 / 20.1 W= .000200 / 9.3 T= .026 / 18.5 LAT= 36.0 U= .092 / 13.7 V= .054 / 17.4 W= .000138 / 9.5 T= .035 / 18.4 LAT= 42.0 U= .092 / 13.7 V= .054 / 17.4 W= .000139 / 9.3 T= .051 / 18.2 LAT= 48.0 U= .059 / 12.4 V= .050 / 14.8 W= .000139 / 9.3 T= .051 / 18.2 LAT= 54.0 U= .046 / 10.1 V= .061 / 13.4 W= .000086 / 9.4 T= .064 / 18.1 LAT= 66.0 U= .055 / 8.3 V= .072 / 12.9 W= .000027 / 11.3 T= .076 / 18.0 LAT= 66.0 U= .067 / 7.4 V= .080 / 12.6 W= .000012 / 15.7 T= .060 / 18.0 LAT= 72.0 U= .075 / 7.0 V= .086 / 12.6 W= .000012 / 15.7 T= .060 / 18.0		-							
LAT= 12.0 U= .134 / 14.9 V= .194 / 20.6 W= .000264 / 20.8 T= .090 / 17.7 LAT= 18.0 U= .174 / 14.8 V= .214 / 20.5 W= .000035 / 19.1 T= .054 / 17.9 LAT= 24.0 U= .187 / 14.7 V= .186 / 20.4 W= .000138 / 9.5 T= .030 / 18.3 LAT= 30.0 U= .170 / 14.6 V= .138 / 20.1 W= .000200 / 9.3 T= .026 / 18.5 LAT= 36.0 U= .136 / 14.3 V= .087 / 19.3 W= .000185 / 9.3 T= .026 / 18.5 LAT= 42.0 U= .092 / 13.7 V= .054 / 17.4 W= .000139 / 9.3 T= .051 / 18.2 LAT= 48.0 U= .059 / 12.4 V= .050 / 14.8 W= .000086 / 9.4 T= .064 / 18.1 LAT= 54.0 U= .046 / 10.1 V= .061 / 13.4 W= .000047 / 10.0 T= .073 / 18.0 LAT= 66.0 U= .055 / 8.3 V= .072 / 12.9 W= .000047 / 13.1 T= .076 / 18.0 LAT= 66.0 U= .067 / 7.4 V= .086 / 12.6 W= .000012 / 15.7 T= .071 / 18.0 LAT= 72.0 U= .075 / 7.0 V= .086 / 12.6 W= .000012 / 15.7 T= .060 / 18.0	1								
LAT= 18.0 U= .174 / 14.8 V= .214 / 20.5 W= .000035 / 19.1 T= .054 / 17.9 LAT= 24.0 U= .187 / 14.7 V= .186 / 20.4 W= .000138 / 9.5 T= .030 / 18.3 LAT= 30.0 U= .170 / 14.6 V= .138 / 20.1 W= .000200 / 9.3 T= .026 / 18.5 LAT= 36.0 U= .136 / 14.3 V= .087 / 19.3 W= .000185 / 9.3 T= .035 / 18.4 LAT= 42.0 U= .092 / 13.7 V= .054 / 17.4 W= .000139 / 9.3 T= .051 / 18.2 LAT= 48.0 U= .059 / 12.4 V= .050 / 14.8 W= .000086 / 9.4 T= .064 / 18.1 LAT= 54.0 U= .046 / 10.1 V= .061 / 13.4 W= .000047 / 10.0 T= .073 / 18.0 LAT= 60.0 U= .055 / 8.3 V= .072 / 12.9 W= .000027 / 11.3 T= .076 / 18.0 LAT= 66.0 U= .067 / 7.4 V= .080 / 12.7 W= .000017 / 13.1 T= .071 / 18.0 LAT= 72.0 U= .075 / 7.0 V= .086 / 12.6 W= .000012 / 15.7 T= .060 / 18.0		_							
LAT= 24.0 U= .187 / 14.7 V= .186 / 20.4 W= .000138 / 9.5 T= .030 / 18.3 LAT= 30.0 U= .170 / 14.6 V= .138 / 20.1 W= .000200 / 9.3 T= .026 / 18.5 LAT= 36.0 U= .136 / 14.3 V= .087 / 19.3 W= .000185 / 9.3 T= .035 / 18.4 LAT= 42.0 U= .092 / 13.7 V= .054 / 17.4 W= .000185 / 9.3 T= .051 / 18.2 LAT= 48.0 U= .059 / 12.4 V= .050 / 14.8 W= .000189 / 9.3 T= .051 / 18.2 LAT= 54.0 U= .046 / 10.1 V= .061 / 13.4 W= .000086 / 9.4 T= .064 / 18.1 LAT= 54.0 U= .055 / 8.3 V= .072 / 12.9 W= .000027 / 11.3 T= .076 / 18.0 LAT= 66.0 U= .067 / 7.4 V= .080 / 12.7 W= .000017 / 13.1 T= .076 / 18.0 LAT= 72.0 U= .075 / 7.0 V= .086 / 12.6 W= .000012 / 15.7 T= .060 / 18.0									
LAT= 30.0 U= .170 / 14.6 V= .138 / 20.1 W= .000200 / 9.3 T= .026 / 18.5 LAT= 36.0 U= .136 / 14.3 V= .087 / 19.3 W= .000185 / 9.3 T= .035 / 18.4 LAT= 42.0 U= .092 / 13.7 V= .054 / 17.4 W= .000139 / 9.3 T= .051 / 18.2 LAT= 48.0 U= .059 / 12.4 V= .050 / 14.8 W= .000086 / 9.4 T= .064 / 18.1 LAT= 54.0 U= .046 / 10.1 V= .061 / 13.4 W= .000047 / 10.0 T= .073 / 18.0 LAT= 60.0 U= .055 / 8.3 V= .072 / 12.9 W= .000027 / 11.3 T= .076 / 18.0 LAT= 66.0 U= .067 / 7.4 V= .080 / 12.7 W= .000017 / 13.1 T= .071 / 18.0 LAT= 72.0 U= .075 / 7.0 V= .086 / 12.6 W= .000012 / 15.7 T= .060 / 18.0									
LAT = 36.0 U = .136 / 14.3 V = .087 / 19.3 W = .000185 / 9.3 T = .035 / 18.4 LAT = 42.0 U = .092 / 13.7 V = .054 / 17.4 W = .000139 / 9.3 T = .051 / 18.2 LAT = 48.0 U = .059 / 12.4 V = .050 / 14.8 W = .000086 / 9.4 T = .064 / 18.1 LAT = 54.0 U = .046 / 10.1 V = .061 / 13.4 W = .000047 / 10.0 T = .073 / 18.0 LAT = 60.0 U = .055 / 8.3 V = .072 / 12.9 W = .000027 / 11.3 T = .076 / 18.0 LAT = 66.0 U = .067 / 7.4 V = .080 / 12.7 W = .000017 / 13.1 T = .071 / 18.0 LAT = 72.0 U = .075 / 7.0 V = .086 / 12.6 W = .000012 / 15.7 T = .060 / 18.0									
LAT = 42.0 U = .092 / 13.7 V = .054 / 17.4 W = .000139 / 9.3 T = .051 / 18.2 LAT = 48.0 U = .059 / 12.4 V = .050 / 14.8 W = .000086 / 9.4 T = .064 / 18.1 LAT = 54.0 U = .046 / 10.1 V = .061 / 13.4 W = .000047 / 10.0 T = .073 / 18.0 LAT = 60.0 U = .055 / 8.3 V = .072 / 12.9 W = .000027 / 11.3 T = .076 / 18.0 LAT = 66.0 U = .067 / 7.4 V = .080 / 12.7 W = .000017 / 13.1 T = .071 / 18.0 LAT = 72.0 U = .075 / 7.0 V = .086 / 12.6 W = .000012 / 15.7 T = .060 / 18.0									
LAT= 48.0 U= .059 / 12.4 V= .050 / 14.8 W= .000086 / 9.4 T= .064 / 18.1 LAT= 54.0 U= .046 / 10.1 V= .061 / 13.4 W= .000047 / 10.0 T= .073 / 18.0 LAT= 60.0 U= .055 / 8.3 V= .072 / 12.9 W= .000027 / 11.3 T= .076 / 18.0 LAT= 66.0 U= .067 / 7.4 V= .080 / 12.7 W= .000017 / 13.1 T= .071 / 18.0 LAT= 72.0 U= .075 / 7.0 V= .086 / 12.6 W= .000012 / 15.7 T= .060 / 18.0									
LAT= 54.0 U= .046 / 10.1 V= .061 / 13.4 W= .000047 / 10.0 T= .073 / 18.0 LAT= 60.0 U= .055 / 8.3 V= .072 / 12.9 W= .000027 / 11.3 T= .076 / 18.0 LAT= 66.0 U= .067 / 7.4 V= .080 / 12.7 W= .000017 / 13.1 T= .071 / 18.0 LAT= 72.0 U= .075 / 7.0 V= .086 / 12.6 W= .000012 / 15.7 T= .060 / 18.0									
LAT= 60.0 U= .055 / 8.3 V= .072 / 12.9 W= .000027 / 11.3 T= .076 / 18.0 LAT= 66.0 U= .067 / 7.4 V= .080 / 12.7 W= .000017 / 13.1 T= .071 / 18.0 LAT= 72.0 U= .075 / 7.0 V= .086 / 12.6 W= .000012 / 15.7 T= .060 / 18.0									
LAT= 66.0 U= .067 / 7.4 V= .080 / 12.7 W= .000017 / 13.1 T= .071 / 18.0 LAT= 72.0 U= .075 / 7.0 V= .086 / 12.6 W= .000012 / 15.7 T= .060 / 18.0									
LAT= 72.0 U= .075 / 7.0 V= .086 / 12.6 W= .000012 / 15.7 T= .060 / 18.0									
		-							
LAT= /8.0 U= .083 / 6.7 V= .091 / 12.6 W= .000012 / 18.6 T= .044 / 17.9									
	LAT= 78.0	U=	.083 / 6.7	٧=	.091 / 12.6	W=	.000012 / 18.6	T =	.044 / 17.9

Table B2. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km at the December Solstice (Contd)

Z= 4.161	KM							
LAT=-78.0	U=	.015 / 18.1	V=	.024 / 11.6	W=	.000068 / 13.7	T=	.073 / 17.
LAT=-72.0	U=	.011 / 17.4	V =	.022 / 11.2	M=	.000104 / 12.9	Ţ=	-102 / 17.
AT=-66.0	U=	.016 / 15.9	V۳	.021 / 10.7	M=	.000135 / 12.4	T=	.121 / 17.
AT=-60.0	U=	.026 / 15.5	V =	.024 / 10.1	W =	.000167 / 11.9	T =	.132 / 17.
AT=-54.0	U=	.043 / 15.5	V=	.032 / 9.6	₩≠	.000209 / 11.3	T=	.132 / 17.
AT=-48.0	U=	.050 / 14.9	V =	.048 / 9.2	W=	.000274 / 10.6	T=	.126 / 17.
AT=-42.0	U=	.073 / 14.7	V =	.072 / 9.0	W=	.000364 / 10.0	T=	.109 / 17.
AT=-36.0	U=	.110 / 14.8	V=	.106 / 8.8	₩=	.000448 / 9.7	T=	.085 / 18.
AT=-30.0	U=	.129 / 14.8	V=	.147 / 8.8	W =	.000469 / 9.6	T=	.072 / 18.
AT=-24.0	U=	.138 / 14.7	V =	.182 / 8.8	W=	.000346 / 9.8	T=	.073 / 18.
AT=-18.0	U=	.123 / 14.7	V =	.198 / 8.7	W =	.000087 / 14.6	T=	.097 / 17.
AT=-12.0	U=	.086 / 14.7	V =	.173 / 8.7	₩≠	.000466 / 20.1	Ţ=	.139 / 17.
AT= -6.0	U=	.047 / 14.7	٧×	.105 / 8.8	W=	.000879 / 20.4	T =	.180 / 17.
AT= 0.0	ນ=	.030 / 14.6	٧×	.008 / 10.5	W=	.001052 / 20.5	T=	.193 / 17.
AT= 6.0	U=	.047 / 14.6	V=	.090 / 20.5	M=	.000889 / 20.5	Ţ=	.170 / 17.
AT= 12.0	U≢	.084 / 14.6	V=	.157 / 20.6	W=	.000482 / 20.2	T=	.121 / 17.
AT= 18.0	U=	.118 / 14.6	V=	.180 / 20.6	W=	.000076 / 15.7	T=	.071 / 17.
AT= 24.0	U=	.130 / 14.7	V=	.162 / 20.6	W=	.000320 / 9.7	T= T-	.039 / 18.
AT= 30.0	U=	.118 / 14.7	٧×	.125 / 20.6	w=	.000444 / 9.5	T=	.033 / 18.
AT= 36.0	U=	.093 / 14.7	٧×	.085 / 20.6	M=	.000426 / 9.5	T=	.043 / 18.
AT= 42.0	U≠ U≖	.060 / 14.6 .035 / 14.6	V=	.051 / 20.6	₩=	.000344 / 9.8	T=	.063 / 18.
AT= 48.0	U=	.019 / 14.9	V=	.028 / 20.7	W=	.000253 / 10.2	T= T=	.081 / 18.
AT= 54.0	U=		V =	.015 / 21.1	M=	.000185 / 10.9	T=	.092 / 17.
AT= 60.0		.009 / 14.4	V =	.011 / 22.3	₩≖	.000148 / 11.6		.096 / 17.
AT= 66.0	U= U=	.006 / 15.3	٧×	.011 / 23.6	W=	.000119 / 12.1	T= T=	.090 / 17.
AT= 72.0 AT= 78.0	U=	.008 / 17.6 .012 / 18.4	V= V=	.013 / .1 .015 / .4	M=	.000089 / 12.4	7=	.076 / 17. .055 / 17.
9.525		454 / 40 2		425 / 40 5		00::014 / 10 0	_	070 / 17
AT=-78.0	U≉	.151 / 18.3	V=	.175 / 12.2	W=	.000211 / 12.2	T =	.073 / 17.
AT=-72.0	Ų± U≖	.131 / 18.3 .118 / 18.2	V =	.165 / 12.2 .151 / 12.2	₩=	.000306 / 12.1	T= T=	.101 / 17.
AT=-66.0 AT=-60.0	U=	.099 / 18.1	V = V =	.137 / 12.2	W=	.000374 / 11.9	†=	.131 / 18.
	U=	.072 / 17.8	V =	.121 / 12.2	W =	.000508 / 11.0	T=	.130 / 18.
AT=-54.0 AT=-48.0	U=	.018 / 18.1	V=			.000500 / 11.0		. 130 / 10.
A = 0.U					Lai -	000506 / 10 3	T	122 / 10
				.099 / 12.3	W =	.000586 / 10.3	T =	
AT=-42.0	U≠	.039 / 5.8	V =	.069 / 12.7	W=	.000706 / 9.6	T =	.107 / 18.
AT=-42.0 AT=-36.0	U≠	.039 / 5.8 .093 / 6.0	V = V =	.069 / 12.7 .030 / 14.4	W =	.000706 / 9.6 .000816 / 9.2	T=	.107 / 18. .087 / 19.
AT=-42.0 AT=-36.0 AT=-30.0	U≠ U=	.039 / 5.8 .093 / 6.0 .146 / 6.0	V = V = V =	.069 / 12.7 .030 / 14.4 .032 / 20.7	M = M = M =	.000706 / 9.6 .000816 / 9.2 .000830 / 9.0	T= T=	.107 / 18. .087 / 19. .074 / 19.
AT=-42.0 AT=-36.0 AT=-30.0 AT=-24.0	U≠ U= U≠	.039 / 5.8 .093 / 6.0 .146 / 6.0 .179 / 5.9	V = V = V =	.069 / 12.7 .030 / 14.4 .032 / 20.7 .073 / 22.3	M= M= M= M=	.000706 / 9.6 .000816 / 9.2 .000830 / 9.0 .000618 / 9.3	T= T= T=	.107 / 18. .087 / 19. .074 / 19. .073 / 19.
AT=-42.0 AT=-36.0 AT=-30.0 AT=-24.0 AT=-18.0	U= U= U= U=	.039 / 5.8 .093 / 6.0 .146 / 6.0 .179 / 5.9 .175 / 5.9	\	.069 / 12.7 .030 / 14.4 .032 / 20.7 .073 / 22.3 .101 / 22.6	M= M= M= M=	.000706 / 9.6 .000816 / 9.2 .000830 / 9.0 .000618 / 9.3 .000265 / 13.7	T = T = T = T = T =	.107 / 18. .087 / 19. .074 / 19. .073 / 19. .100 / 17.
AT=-42.0 AT=-36.0 AT=-30.0 AT=-24.0 AT=-18.0 AT=-12.0	U= U= U= U=	.039 / 5.8 .093 / 6.0 .146 / 6.0 .179 / 5.9 .175 / 5.9 .137 / 5.9	V = V = V = V = V = V = V = V =	.069 / 12.7 .030 / 14.4 .032 / 20.7 .073 / 22.3 .101 / 22.6 .093 / 22.7	A= A= A= A= A=	.000706 / 9.6 .000816 / 9.2 .000830 / 9.0 .000618 / 9.3 .000265 / 13.7 .000837 / 18.3	T= T= T= T= T=	.107 / 18. .087 / 19. .074 / 19. .073 / 19. .100 / 17. .156 / 16.
AT=-42.0 AT=-36.0 AT=-30.0 AT=-24.0 AT=-18.0 AT=-12.0 AT=-6.0	U= U= U= U= U=	.039 / 5.8 .093 / 6.0 .146 / 6.0 .179 / 5.9 .175 / 5.9 .137 / 5.9	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	.069 / 12.7 .030 / 14.4 .032 / 20.7 .073 / 22.3 .101 / 22.6 .093 / 22.7 .047 / 22.4	#= #= #= #= #= #=	.000706 / 9.6 .000816 / 9.2 .000830 / 9.0 .000618 / 9.3 .000265 / 13.7 .000837 / 18.3 .001518 / 18.8	T= T= T= T= T= T=	.107 / 18. .087 / 19. .074 / 19. .073 / 19. .100 / 17. .156 / 16. .210 / 16.
AT=-42.0 AT=-36.0 AT=-30.0 AT=-24.0 AT=-18.0 AT=-12.0 AT=-6.0 AT=-0.0	U= U= U= U= U= U=	.039 / 5.8 .093 / 6.0 .146 / 6.0 .179 / 5.9 .175 / 5.9 .137 / 5.9 .091 / 5.9	A = A = A = A = A = A = A = A = A = A =	.069 / 12.7 .030 / 14.4 .032 / 20.7 .073 / 22.3 .101 / 22.6 .093 / 22.7 .047 / 22.4 .028 / 12.1	#=====================================	.000706 / 9.6 .000816 / 9.2 .000830 / 9.0 .000618 / 9.3 .000265 / 13.7 .000837 / 18.3 .001518 / 18.8 .001803 / 19.0	T= T= T= T= T= T=	.107 / 18. .087 / 19. .074 / 19. .073 / 19. .100 / 17. .156 / 16. .210 / 16. .232 / 16.
AT=-42.0 AT=-36.0 AT=-30.0 AT=-24.0 AT=-18.0 AT=-12.0 AT=-6.0 AT=-6.0	U= U= U= U= U= U= U= U=	.039 / 5.8 .093 / 6.0 .146 / 5.9 .179 / 5.9 .137 / 5.9 .091 / 5.0 .097 / 6.0	V = V = V = V = V = V = V = V = V = V =	.069 / 12.7 .030 / 14.4 .032 / 20.7 .073 / 22.3 .101 / 22.6 .093 / 22.7 .047 / 22.4 .028 / 12.1 .101 / 11.3	######################################	.000706 / 9.6 .000816 / 9.2 .000830 / 9.0 .000618 / 9.3 .000265 / 13.7 .000837 / 18.3 .001518 / 18.8 .001803 / 19.0 .001523 / 18.9	T= T= T= T= T= T= T=	.107 / 18. .087 / 19. .074 / 19. .073 / 19. .100 / 17. .156 / 16. .210 / 16. .232 / 16. .202 / 16.
AT=-42.0 AT=-36.0 AT=-30.0 AT=-24.0 AT=-18.0 AT=-12.0 AT=-6.0 AT=-6.0 AT=-6.0 AT=-6.0	U= U= U= U= U= U=	.039 / 5.8 .093 / 6.0 .146 / 6.0 .179 / 5.9 .175 / 5.9 .091 / 5.9 .074 / 6.0 .097 / 6.0	V = V = V = V = V = V = V = V = V = V =	.069 / 12.7 .030 / 14.4 .032 / 20.7 .073 / 22.3 .101 / 22.6 .093 / 22.7 .047 / 22.4 .028 / 12.1 .101 / 11.3 .148 / 11.1	######################################	.000706 / 9.6 .000816 / 9.2 .000830 / 9.0 .000618 / 9.3 .000265 / 13.7 .000837 / 18.3 .001518 / 18.8 .001503 / 19.0 .001523 / 18.9 .000843 / 18.5	T= T= T= T= T= T= T= T=	.107 / 18087 / 19074 / 19073 / 19100 / 17156 / 16210 / 16232 / 16202 / 16140 / 16.
AT=-42.0 AT=-36.0 AT=-30.0 AT=-24.0 AT=-18.0 AT=-12.0 AT= -6.0 AT= 0.0 AT= 6.0 AT= 12.0 AT= 18.0	U= U= U= U= U= U= U= U= U=	.039 / 5.8 .093 / 6.0 .146 / 6.0 .179 / 5.9 .175 / 5.9 .091 / 5.9 .074 / 6.0 .097 / 6.0 .149 / 5.9	V = V = V = V = V = V = V = V = V = V =	.069 / 12.7 .030 / 14.4 .032 / 20.7 .073 / 22.3 .101 / 22.6 .093 / 22.7 .047 / 22.4 .028 / 12.1 .101 / 11.3 .148 / 11.1	**************************************	.000706 / 9.6 .000816 / 9.2 .000830 / 9.0 .000618 / 9.3 .000265 / 13.7 .000837 / 18.3 .001518 / 18.8 .001803 / 19.0 .001523 / 18.9 .000843 / 18.5 .000210 / 14.3	T= T= T= T= T= T= T= T=	.107 / 18087 / 19074 / 19073 / 19100 / 17156 / 16210 / 16232 / 16202 / 16140 / 17.
AT=-42.0 AT=-36.0 AT=-30.0 AT=-24.0 AT=-18.0 AT=-12.0 AT= -6.0 AT= 6.0 AT= 6.0 AT= 12.0 AT= 12.0 AT= 12.0 AT= 24.0	U = U = U = U = U = U = U = U = U = U =	.039 / 5.8 .093 / 6.0 .146 / 6.0 .179 / 5.9 .175 / 5.9 .137 / 5.9 .091 / 5.9 .074 / 6.0 .097 / 6.0 .149 / 5.9 .193 / 5.9 .202 / 5.9	V = V = V = V = V = V = V = V = V = V =	.069 / 12.7 .030 / 14.4 .032 / 20.7 .073 / 22.3 .101 / 22.6 .093 / 22.7 .047 / 22.4 .028 / 12.1 .101 / 11.3 .148 / 11.1 .155 / 11.1	**************************************	.000706 / 9.6 .000816 / 9.2 .000830 / 9.0 .000618 / 9.3 .000265 / 13.7 .000837 / 18.3 .001518 / 18.8 .001803 / 19.0 .001523 / 18.9 .000843 / 18.5 .000210 / 14.3 .000553 / 9.0	T= T= T= T= T= T= T= T= T=	.107 / 18087 / 19073 / 19100 / 17156 / 16210 / 16232 / 16202 / 16140 / 16076 / 17.
AT=-42.0 AT=-36.0 AT=-30.0 AT=-24.0 AT=-18.0 AT=-12.0 AT=-6.0 AT=-6.0 AT=-12.0 AT=-12.0 AT=-18.0 AT=-19.0 AT=-19.0	U= U= U= U= U= U= U= U= U= U= U= U= U=	.039 / 5.8 .093 / 6.0 .146 / 6.0 .179 / 5.9 .175 / 5.9 .091 / 5.9 .074 / 6.0 .097 / 6.0 .149 / 5.9 .193 / 5.9 .202 / 5.9	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	.069 / 12.7 .030 / 14.4 .032 / 20.7 .073 / 22.3 .101 / 22.6 .093 / 22.7 .047 / 22.4 .028 / 12.1 .101 / 11.3 .148 / 11.1 .155 / 11.1 .126 / 11.0 .081 / 10.7	**************************************	.000706 / 9.6 .000816 / 9.2 .000830 / 9.0 .000618 / 9.3 .000265 / 13.7 .000837 / 18.3 .001518 / 18.8 .001803 / 18.9 .001523 / 18.9 .000843 / 18.5 .000210 / 14.3 .000553 / 9.0 .000766 / 8.6	T= T	.107 / 18087 / 19074 / 19073 / 19100 / 17156 / 16210 / 16232 / 16202 / 16140 / 16076 / 17045 / 21.
AT=-42.0 AT=-36.0 AT=-36.0 AT=-24.0 AT=-18.0 AT=-12.0 AT= -6.0 AT= 6.0 AT= 12.0 AT= 18.0 AT= 18.0 AT= 24.0 AT= 36.0	U = U = U = U = U = U = U = U = U = U =	.039 / 5.8 .093 / 6.0 .146 / 6.0 .179 / 5.9 .175 / 5.9 .091 / 5.9 .074 / 6.0 .097 / 6.0 .149 / 5.9 .193 / 5.9 .202 / 5.9 .175 / 5.9 .130 / 5.9)	.069 / 12.7 .030 / 14.4 .032 / 20.7 .073 / 22.3 .101 / 22.6 .093 / 22.7 .047 / 22.4 .028 / 12.1 .101 / 11.3 .148 / 11.1 .155 / 11.1 .126 / 11.0 .081 / 10.7	**************************************	.000706 / 9.6 .000816 / 9.2 .000830 / 9.0 .000618 / 9.3 .000265 / 13.7 .000837 / 18.3 .001518 / 18.8 .001803 / 19.0 .001523 / 18.9 .000843 / 18.5 .000210 / 14.3 .000553 / 9.0 .000749 / 8.8	T= T	.107 / 18087 / 19074 / 19073 / 19100 / 17156 / 16232 / 16202 / 16202 / 16140 / 16076 / 17045 / 20045 / 20.
AT = -42.0 AT = -36.0 AT = -36.0 AT = -24.0 AT = -18.0 AT = -12.0 AT = -6.0 AT = 6.0 AT = 12.0 AT = 18.0 AT = 18.0 AT = 30.0 AT = 30.0 AT = 42.0	U= U= U= U= U= U= U= U= U= U= U= U=	.039 / 5.8 .093 / 6.0 .146 / 6.0 .179 / 5.9 .175 / 5.9 .091 / 5.9 .091 / 5.9 .097 / 6.0 .149 / 5.9 .193 / 5.9 .202 / 5.9 .175 / 5.9 .130 / 5.9	V	.069 / 12.7 .030 / 14.4 .032 / 20.7 .073 / 22.3 .101 / 22.6 .093 / 22.7 .047 / 22.4 .028 / 12.1 .101 / 11.3 .148 / 11.1 .155 / 11.1 .126 / 11.0 .081 / 10.7	**************************************	.000706 / 9.6 .000816 / 9.2 .000830 / 9.0 .000618 / 9.3 .000265 / 13.7 .000837 / 18.3 .001518 / 18.8 .001803 / 19.0 .001523 / 18.9 .000843 / 18.5 .000210 / 14.3 .000553 / 9.0 .000766 / 8.6 .000749 / 8.8	T= T	.107 / 18087 / 19074 / 19073 / 19100 / 17156 / 16210 / 16232 / 16202 / 16202 / 16076 / 17045 / 20045 / 21052 / 20.
AT = -42.0 AT = -36.0 AT = -36.0 AT = -24.0 AT = -18.0 AT = -18.0 AT = -6.0 AT = 0.0 AT = 12.0 AT = 12.0 AT = 12.0 AT = 12.0 AT = 24.0 AT = 36.0 AT = 36.0 AT = 36.0 AT = 42.0 AT = 42.0	U=====================================	.039 / 5.8 .093 / 6.0 .146 / 6.0 .179 / 5.9 .175 / 5.9 .091 / 5.9 .074 / 6.0 .097 / 6.0 .149 / 5.9 .193 / 5.9 .175 / 5.9 .130 / 5.9 .075 / 5.9 .075 / 5.9 .075 / 5.9 .075 / 5.9	V = V = V = V = V = V = V = V = V = V =	.069 / 12.7 .030 / 14.4 .032 / 20.7 .073 / 22.3 .101 / 22.6 .093 / 22.7 .047 / 22.4 .028 / 12.1 .101 / 11.3 .148 / 11.1 .155 / 11.1 .126 / 11.0 .081 / 10.7 .036 / 9.9 .018 / 047 / .7	**************************************	.000706 / 9.6 .000816 / 9.2 .000830 / 9.0 .000618 / 13.7 .000837 / 18.3 .001518 / 18.8 .001523 / 18.9 .001523 / 18.5 .000210 / 14.3 .000533 / 9.0 .000533 / 9.0 .000766 / 8.6 .000749 / 8.8 .000632 / 9.2	T= T	.123 / 18107 / 18087 / 19074 / 19073 / 19100 / 16210 / 16210 / 16232 / 16202 / 16140 / 16076 / 17045 / 20045 / 21052 / 20067 / 19083 / 18.
AT = -42.0 AT = -36.0 AT = -36.0 AT = -24.0 AT = -18.0 AT = -12.0 AT = -6.0 AT = 6.0 AT = 12.0 AT = 18.0 AT = 24.0 AT = 36.0 AT = 36.0 AT = 42.0 AT = 48.0 AT = 48.0 AT = 54.0	U= U= U= U= U= U= U= U= U= U= U= U=	.039 / 5.8 .093 / 6.0 .146 / 6.0 .179 / 5.9 .175 / 5.9 .091 / 5.9 .074 / 6.0 .097 / 6.0 .149 / 5.9 .193 / 5.9 .202 / 5.9 .175 / 5.9 .175 / 5.9 .130 / 5.9 .073 / 5.9 .021 / 18.3	V	.069 / 12.7 .030 / 14.4 .032 / 20.7 .073 / 22.3 .101 / 22.6 .093 / 22.7 .047 / 22.4 .028 / 12.1 .101 / 11.3 .148 / 11.1 .155 / 11.1 .155 / 11.1 .126 / 11.0 .081 / 10.7 .036 / 9.9 .018 / 2.8 .047 / 2.8	**************************************	.000706 / 9.6 .000816 / 9.2 .000830 / 9.0 .000618 / 9.3 .000265 / 13.7 .000837 / 18.3 .001518 / 18.8 .001503 / 19.0 .001523 / 18.9 .000843 / 18.5 .000210 / 14.3 .000553 / 9.0 .000749 / 8.6 .000749 / 8.8 .000632 / 9.2 .000502 / 9.9 .000412 / 10.7	T= T	.107 / 18087 / 19074 / 19073 / 19100 / 17156 / 16210 / 16232 / 16202 / 16076 / 17045 / 20045 / 21052 / 20067 / 19083 / 18.
AT=-42.0 AT=-36.0 AT=-30.0 AT=-24.0 AT=-18.0 AT=-12.0 AT=-6.0 AT=-0.0		.039 / 5.8 .093 / 6.0 .146 / 6.0 .179 / 5.9 .175 / 5.9 .091 / 5.9 .074 / 6.0 .097 / 6.0 .149 / 5.9 .193 / 5.9 .175 / 5.9 .130 / 5.9 .075 / 5.9 .075 / 5.9 .075 / 5.9 .075 / 5.9	V * * * * * * * * * * * * * * * * * * *	.069 / 12.7 .030 / 14.4 .032 / 20.7 .073 / 22.3 .101 / 22.6 .093 / 22.7 .047 / 22.4 .028 / 12.1 .101 / 11.3 .148 / 11.1 .155 / 11.1 .126 / 11.0 .081 / 10.7 .036 / 9.9 .018 / 047 / .7	**************************************	.000706 / 9.6 .000816 / 9.2 .000830 / 9.0 .000618 / 13.7 .000837 / 18.3 .001518 / 18.8 .001523 / 18.9 .001523 / 18.5 .000210 / 14.3 .000533 / 9.0 .000533 / 9.0 .000766 / 8.6 .000749 / 8.8 .000632 / 9.2	T= T	.107 / 18087 / 19074 / 19073 / 19100 / 17156 / 16210 / 16232 / 16202 / 16202 / 16076 / 17045 / 20045 / 21052 / 20.
AT = -42.0 AT = -36.0 AT = -36.0 AT = -24.0 AT = -18.0 AT = -12.0 AT = -6.0 AT = 6.0 AT = 12.0 AT = 18.0 AT = 24.0 AT = 30.0 AT = 36.0 AT = 48.0 AT = 48.0 AT = 54.0		.039 / 5.8 .093 / 6.0 .146 / 6.0 .179 / 5.9 .175 / 5.9 .091 / 5.9 .097 / 6.0 .193 / 5.9 .202 / 5.9 .175 / 5.9 .202 / 5.9 .175 / 5.9 .202 / 5.9 .203 / 5.9 .204 / 5.9 .205 / 5.9 .206 / 5.9	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	.069 / 12.7 .030 / 14.4 .032 / 20.7 .073 / 22.3 .101 / 22.6 .093 / 22.7 .047 / 22.4 .028 / 12.1 .101 / 11.3 .148 / 11.1 .155 / 11.1 .126 / 11.0 .081 / 10.7 .036 / 9.9 .018 / 2.8 .047 / .7 .073 / .4	**************************************	.000706 / 9.6 .000816 / 9.2 .000830 / 9.0 .000618 / 9.3 .000265 / 13.7 .000518 / 18.8 .001803 / 19.0 .001523 / 18.9 .000843 / 18.5 .000210 / 14.3 .000553 / 9.0 .000766 / 8.6 .000749 / 8.8 .000632 / 9.2 .000502 / 9.9 .000412 / 10.7 .000363 / 11.3	T= T	.107 / 18087 / 19074 / 19073 / 19100 / 17156 / 16210 / 16232 / 16202 / 16202 / 16140 / 17045 / 20045 / 20052 / 20067 / 19083 / 18096 / 18.

Table B2. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km at the December Solstice (Contd)

Z= 14.879	e KM							
LAT=-78.0	U=	.203 / 18.2	V =	.226 / 12.1	W=	.000309 / 12.0	T=	.006 / 17.7
LAT=-72.0	U=	.178 / 18.3	V≠	.212 / 12.1	w=	.000430 / 11.9	T=	.008 / 18.2
LAT=-66.0	 U=	.149 / 18.3	V≖	-193 / 12.2	W =	.005497 / 11.8	T=	.011 / 19.4
LAT=-60.0	U=	.118 / 18.6	٧×	.169 / 12.4	W=	.000541 / 11.4	T=	.014 / 21.0
LAT=-54.0	บ≂	.081 / 19.6	٧=	.138 / 12.9	W=	.000576 / 10.8	T=	.021 / 23.0
LAT=-48.0	υ=	.072 / .9	V =	.101 / 14.4	W=	.000567 / 9.4	T.	.037 / 22.6
LAT=-42.0	U =	.165 / 3.0	V =	.110 / 17.9	W=	.000648 / 8.0	T=	.057 / 23.0
LAT=-36.0	U≈	.278 / 3.5	V=	.212 / 20.0	W=	.000772 / 7.0	T =	.075 / 23.5
LAT=-30.0	U≃	.380 / 3.7	٧=	.349 / 20.7	W=	.000796 / 6.7	Ť=	.079 / 23.5
LAT=-24.0	U=	.439 / 3.8	V =	481 / 21.0	W=	.000559 / 7.4	T=	.053 / 23.3
LAT=-18.0	U=	.411 / 3.8	٧z	.553 / 21.1	W=	.000458 / 13.3	T=	.018 / 14.3
LAT=-12.0	U=	.307 / 3.9	V≖	.493 / 21.1	W=	.001352 / 15.6	7=	108 / 12.4
LAT= -6.0	Ų=	.190 / 4.1	V =	286 / 21.1	W=	.002244 / 16.0	Τ×	.192 / 12.2
LAT= 0.0	U=	.141 / 4.3	V =	.027 / 12.0	W=	.002608 / 16.1	T=	.226 / 12.2
LAT= 6.0	U=	.195 / 4.2	V=	.329 / 9.5	W=	.002227 / 16.0	T=	.192 / 12.2
LAT= 12.0	U≖	.318 / 4.0	V =	.537 / 9.4	w=	.001319 / 15.7	T=	108 / 12.4
LAT= 18.0	U=	.429 / 3.9	V =	.599 / 9.4	W =	.000381 / 13.6	T=	.018 / 14.3
LAT= 24.0	U=	.462 / 3.9	V =	.527 / 9.3	W=	.000531 / 6.7	T=	.053 / 23.3
LAT = 30.0	Ų۽	.411 / 3.8	V =	.394 / 9.2	W=	.000788 / 6.1	T=	.079 / 23.5
LAT= 36.0	U≖	.318 / 3.8	V =	.251 / 8.8	W=	.000749 / 6.4	T=	.075 / 23.5
LAT= 42.0	U=	.198 / 3.6	V =	.129 / 7.9	W=	.000597 / 7.3	T=	.057 / 23.2
LAT= 48.0	U ±	.097 / 2.9	V=	.066 / 5.0	W=	.000472 / 8.8	Ť=	.038 / 22.8
LAT= 54.0	U=	.039 / 23.4	٧×	.079 / 1.7	W=	.000437 / 10.3	T=	.022 / 21.9
LAT= 60.0	U≖	.061 / 19.3	V =	.113 / .6	W=	.000436 / 11.2	T=	.016 / 20.7
LAT= 66.0	U≠	.098 / 18.4	٧×	.139 / .3	W≖	.000408 / 11.6	T=	.013 / 19.6
LAT= 72.0	U=	.131 / 18.2	V =	.160 / .2	W=	.000336 / 11.8	T=	.010 / 15.8
LAT= 78.0	U≠	.156 / 18.1	V =	.176 / .2	W=	-000242 / 11.9	T =	.008 / 13.5
Z≈ 20.239	KM							
LAT=-78.0	U=	.237 / 18.1	V=	.269 / 12.1	W=	.000389 / 12.1	T=	.011 / 17.1
LAT=-72.0	U=	.212 / 18.3	V =	.255 / 12.2	W=	.000524 / 12.1	7 =	.018 / 17.2
LAT=-66.0	U=	.203 / 18.7	V =	.243 / 12.4	W=	.000564 / 12.2	T=	.032 / 17.2
LAT=-60.0	U≖	.213 / 19.2	V=	.241 / 12.7	₩±	.000566 / 12.3	T=	.043 / 17.5
LAT=-54.0	り=	.258 / 19.8	V =	.261 / 13.3	W =	.000516 / 12.4	†=	.055 / 18.0
LAT=-48.0	U=	.332 / 20.9	V =	.321 / 14.0	W=	.000240 / 14.2	T=	.114 / 17.7
LAT= -42.0	U=	.490 / 21.5	V=	.447 / 14.7	w=	.000260 / 20.5	T=	.172 / 17.7
LAT=-36.0	U=	.702 / 21.7	V =	.653 / 15.2	W=	.000531 / 22.0	T≠	.208 / 17.8
LAT=-30.0	U≠	.860 / 21.8	V =	.897 / 15.4	W =	.000661 / 22.3	T=	.221 / 17.8
LAT = -24.0	U=	.937 / 21.9	V =	1.120 / 15.6	W=	.000340 / 21.8	T=	.152 / 17.8
LAT=-18.0	U=	.844 / 22.0	V =	1.223 / 15.6	W =	.000653 / 11.7	T*	.025 / 6.1
LAT=-12.0	≠ان	.595 / 22.1	V =	1.073 / 15.7	W=	.002015 / 11.3	T=	.269 / 5.9
LAT = -6.0	U=	330 / 22.3	V =	.642 / 15.6	W=	.003251 / 11.3	T=	.488 / 5.9
LAT= 0.0	U=	.214 / 22.5	V =	.035 / 11.9	W=	003751 / 1 2	T =	.579 / 5.9
LAT= 6.0	U=	.327 / 22.3	V =	.606 / 4.0	W=	.003223 / 11.2	T=	.492 / 5.9
LAT = 12.0	U=	.588 / 22.2	V =	1.036 / 3.9	W=	.001960 / 11.3	T=	.277 / 5.9
LAT= 18.0	Ų=	.833 / 22.1	V =	1.184 / 3.8	₩≖	.000572 / 11.7	T=	.037 / 6.0
LAT= 24.0	U=	.919 / 22.0	V =	1.076 / 3.8	W =	.000427 / 22.3	T =	.136 / 17.8
LAT= 30.0	U=	.836 / 22.0	V =	.849 / 3.7	W =	.000772 / 22.6	T=	.204 / 17.8
LAT= 36.0	U=	.670 / 22.0	V =	.602 / 3.6	W =	.000659 / 22.4	T=	.194 / 17.8
LAT = 42.0	υ= 	.454 / 21.9	V =	.389 / 3 .2	W =	.000353 / 21.7	T =	151 / 17.8
LAT= 48.0	U≖	.285 / 21.6	V =	.254 / 2.6	W =	.000140 / 16.8	T #	.101 / 17.8
LAT= 54.0	U=	.184 / 20.8	V =	.190 / 1.8	W =	.000307 / 13.0	T =	.062 / 17.8
LAT= 60.0	U=	.140 / 19.7	V =	.172 / 1.0	W=	.000421 / 12.4	T =	.042 / 17.8
LAT= 66.0	U=	.140 / 18.8	V =	.178 / .5	W =	.000440 / 12.2	T=	.030 / 17.8
LAT= 72.0	U=	.162 / 18.4	V =	.193 / .3	₩ =	.000376 / 12.1	T=	.024 / 17.6
LAT= 78.0	U≖	.184 / 18.2	٧×	.208 / .2	₩=	.000275 / 12.1	T≠	.017 / 17.6
								,

Table B2. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km at the December Solstice (Contd)

Z= 25.607	KM	-						
							_	
LAT=-78.0	U=	.292 / 18.1	V =	.318 / 12.0	W =	.000641 / 12.2	Ţ=	.029 / 16.9
LAT=-72.0	U≠	.270 / 18.1	V =	.306 / 12.0	W =	.000887 / 12.2	T=	.042 / 16.8
LAT=-66.0	U=	.243 / 17.8	V =	.299 / 11.9	W≃	.001032 / 12.4	Ţ=	.063 / 16.4
LAT=-60.0	U= U=	.280 / 17.3	V =	.314 / 11.8	W=	.001200 / 12.7	T=	.062 / 15.3
LAT=-54.0		.404 / 16.8	V =	.368 / 11.5	W=	.001402 / 13.0	T =	.066 / 12.4
LAT=-48.0	U= U≖	.496 / 16.5 .719 / 16.2	V = V =	.485 / 11.3	₩=	.001487 / 14.0	T =	.141 / 12.4
LAT=-12.0	U=	1.044 / 16.1		.692 / 11.1		.001734 / 14.9	T= T=	.220 / 11.8
LAT=-36.0 LAT=-30.0	U=	1.259 / 16.0	V = V =	1.003 / 10.9	₩=	.001985 / 15.3 .001983 / 15.6	T=	.285 / 11.1 .303 / 11.1
LAT=-24.0	U=	1.362 / 16.0	V =	1.690 / 10.8	W =	.001983 / 15.8	T=	.200 / 11.4
LAT=-18.0	U=	1.225 / 15.9	V =	1.842 / 10.7	W=	.000634 / 10.1	T=	.093 / 20.4
LAT=-18.0	U=	.859 / 15.9	Λ= Λ=	1.616 / 10.7	w-	.002264 / 6.3	T =	.463 / 22.0
LAT= -6.0	U=	.468 / 15.8	٧×	.976 / 10.8	W=	.003994 / 5.9	T=	.803 / 22.2
LAT= 0.0	U=	.298 / 15.6	٧±	.056 / 12.0	W=	.004711 / 5.8	T=	.941 / 22.2
LAT= 6.0	U=	.458 / 15.7	V =	.870 / 22.6	W=	.003995 / 5.8	T=	.797 / 22.2
LAT= 12.0	U=	.837 / 15.8	V =	1.508 / 22.6	W=	.002258 / 6.2	T=	.451 / 22.2
LAT= 18.0	U=	1.187 / 15.9	V =	1.730 / 22.7	W=	.000594 / 9.8	Ť=	.068 / 21.7
LAT= 24.0	U=	1.311 / 15.9	V =	1.574 / 22.7	W=	.001346 / 15.5	T =	.210 / 10.6
LAT= 30.0	U=	1.191 / 15.9	V=	1.245 / 22.7	¥=	.001889 / 15.9	Ť=	.316 / 10.5
LAT= 36.0	Ü=	.952 / 15.9	V =	.887 / 22.8	w=	.001853 / 15.7	T=	.297 / 10.6
LAT= 42.0	Ü=	.643 / 15.9	V =	.577 / 22.9	W=	.001565 / 15.2	T=	.221 / 10.8
LAT= 48.0	Ü=	.402 / 16.0	V=	.376 / 23.1	W=	.001250 / 14.4	T=	.136 / 11.4
LAT= 54.0	Ü≖	.258 / 16.4	V =	.272 / 23.4	W=	.001034 / 13.5	T=	.075 / 12.9
LAT= 60.0	U≔	.191 / 17.0	V =	.232 / 23.7	W=	.000912 / 12.8	T=	.057 / 15.2
LAT= 66.0	U≈	.178 / 17.5	V =	.228 / 23.9	w=	.000780 / 12.5	T=	.057 / 16.7
LAT= 72.0	U=	.198 / 17.8	V =	.242 / 0.0	W=	.000610 / 12.3	T =	.056 / 17.3
LAT= 78.0	U=	.227 / 18.0	V =	.261 / .1	W≃	.000426 / 12.2	T =	.045 / 17.6
Z= 30.985	KM							
LAT=-78.0	U=	.439 / 17.8	V =	.503 / 11.9	W =	.001156 / 12.1	T=	.094 / 17.7
LAT=-72.0	U=	.375 / 17.7	V =	.467 / 11.8	W =	.001633 / 12.0	T=	.128 / 17.7
LAT=-66.0	U =	.294 / 17.4	V =	.423 / 11.5	W =	.002005 / 12.0	T =	.153 / 17.8
LAT=-60.0	U≂	.278 / 16.1	V =	.387 / 10.9	W =	.002462 / 11.9	Ţ=	.119 / 18.2
LAT=-54.0	U≃	.392 / 14.3	V =	.382 / 9.7	W =	.003044 / 11.8	T =	.043 / 22.4
LAT=-48.0	U≔	.539 / 11.8	V٦	.477 / 7 .9	W=	.003435 / 11.9	Τ±	.053 / 2.9
LAT=-42.0	U =	.943 / 10.9	V =	.770 / 6.4	W≃	.004037 / 11.9	Ţ =	.181 / 4.6
LAT=-36.0	U =	1.462 / 10.7	V=	1.274 / 5.6	W =	.004590 / 11.8	T =	.349 / 4.8
LAT=-30.0	U =	1.861 / 10.5	V =	1.871 / 5.3	W≈	.004505 / 11.8	T =	.382 / 4.9
LAT=-24.0	U=	2.073 / 10.4	V =	2.428 / 5.1	W =	.003305 / 11.8	T =	.209 / 4.7
LAT=-18.0	U=	1.900 / 10.4	V =	2.710 / 5.1	W =	.000582 / 12.3	T =	.256 / 17.5
LAT=-12.0	U =	1.372 / 10.3	V =	2.386 / 5.1	W =	.003105 / 23.5	T ==	.904 / 17.2
LAT= -6.0	U=	.798 / 10.1	V =	1.407 / 5.2	W =	.006366 / 23.6	Ţ=	1.486 / 17.2
LAT= 0.0	U =	.553 / 9.9	V =	.123 / 11.8	W =	.007711 / 23.6	T =	1.712 / 17.2
LAT= 6.0	U =	.811 / 10.0	V =	1.468 / 16.5	W =	.006408 / 23.6	Ť =	1.446 / 17.2
LAT= 12.0	U =	1.397 / 10.1	V =	2.447 / 16.7	W =	.003195 / 23.5	T =	.830 / 17.2
LAT= 18.0	U=	1.937 / 10.2	V =	2.769 / 16.7	₩=	.000437 / 12.4	T=	.151 / 17.4
LAT = 24.0	U = U =	2.126 / 10.2 1.926 / 10.2	V =	2.488 / 16.8 1.926 / 16.8	₩= ₩=	.003096 / 11.8	T= T=	.333 / 5.1
LAT= 30.0	U= U=	1.926 / 10.2	V =			.004210 / 11.8		.511 / 5.1
LAT= 36.0	U=	1.021 / 10.2	V =	1.311 / 16.9	W =	.004185 / 11.8	T = T =	.464 / 5.1
LAT= 42.0	U= U=	.593 / 10.3	V = V =	.412 / 18.1	W =	.003615 / 11.8	₹	.310 / 4.9 .138 / 4.5
LAT= 48.0 LAT= 54.0	U=	.296 / 11.1	V = V =	.248 / 20.2	w=	.002881 / 11.8 .002243 / 11.9	T≖	.138 / 4.5 .031 / 22.2
LAT= 60.0	U=	.159 / 13.8	V =	.251 / 22.5	W =	.001822 / 11.9	T=	.095 / 18.5
LAT= 66.0	U=	.191 / 16.7	V =	.310 / 23.5	W=	.001449 / 11.9	Τ=	.133 / 18.1
LAT= 72.0	U≃	.270 / 17.6	V=	.371 / 23.9	w=	.001083 / 11.9	Τ=	.140 / 17.9
LAT= 78.0	U=	.351 / 17.9	V=	.422 / 23.9	W≃	.000731 / 11.9	Ť=	.114 / 17.9
-A1- 70.0	-	,	•-	2- / 20.5			. –	**** / *****

Table B2. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km at the December Solstice (Contd)

Z= 36.378	KM	· · · · · · · · · · · · · · · · · · ·		······································				
LAT=-78.0	U≖	.716 / 18.1	V=	.802 / 11.9	W=	.002024 / 12.0	T=	.238 / 17.8
LAT=-72.0	U=	.602 / 18.3	V =	.734 / 12.0	M=	.002796 / 11.9	T=	.336 / 17.9
LAT=-66.0	Ų≠	.394 / 18.4	V =	.630 / 12.0	W =	.003339 / 11.7	T=	.426 / 18.2
LAT=-60.0	U=	.246 / 18.4	V×	.493 / 12.0	W=	.003744 / 11.4	T=	.455 / 18.8
LAT=-54.0	U=	.109 / 17.9	V =	.279 / 12.3	₩=	.004035 / 11.0	T=	.451 / 19.9
LAT=-48.0	U=	.545 / 5.3	V =	.105 / 22.4	W=	.003671 / 10.1	Ť=	.607 / 20.3
LAT=-42.0	U≠	1.274 / 5.5	V =	.709 / 23.5	W=	.003681 / 8.9	Ţ=	.758 / 21.1
LAT=-36.0	U=	2.023 / 5.6	V =	1.588 / 23.7	₩≖	.004012 / 7.9	T=	.890 / 21.9
LAT=-30.0	U=	2.693 / 5.6 3.060 / 5.6	V =	2.574 / 23.7	W=	.003959 / 7.4	T= T=	.910 / 22.0
LAT=-24.0 LAT=-18.0	U= U=	2.831 / 5.6	V= V=	3.481 / 23.7 3.950 / 23.7	W= W=	.002879 / 8.1 .002443 / 13.1	T=	.661 / 21.5 .382 / 16.2
LAT=-12.0	U=	2.075 / 5.6	V =	3.474 / 23.7	W=	.006323 / 15.5	T=	1.167 / 12.9
LAT= -6.0	U=	1.243 / 5.6	V =	1.964 / 23.7	W=	.010359 / 16.0	T=	2.006 / 12.4
LAT= 0.0	U=	.897 / 5.6	V =	.255 / 11.9	W=	.012035 / 16.1	Ť=	2.349 / 12.3
LAT= 6.0	U≠	1.301 / 5.6	V =	2.473 / 11.7	W=	.010337 / 16.0	T=	1.991 / 12.2
LAT= 12.0	U=	2.197 / 5.6	V =	3.983 / 11.7	W=	.006255 / 15.6	Ť=	1.125 / 12.3
LAT= 18.0	U=	3.021 / 5.6	V=	4.456 / 11.7	W=	.002240 / 13.2	Ť=	.179 / 14.0
LAT= 24.0	U=	3.313 / 5.6	V=	3.980 / 11.7	W=	.002712 / 7.6	T=	.551 / 23.3
LAT= 30.0	U=	3.015 / 5.6	V =	3.054 / 11.7	W=	.003794 / 6.9	T=	.819 / 23.4
LAT= 36.0	U=	2.419 / 5.6	V=	2.037 / 11.7	W=	.003685 / 7.2	T=	.783 / 23.1
LAT= 42.0	U=	1.622 / 5.6	V=	1.119 / 11.7	W=	.003118 / 8.1	T=	.622 / 22.6
LAT= 48.0	Ű≖	.930 / 5.6	٧×	.455 / 11.5	M=	.002653 / 9.3	T=	.461 / 21.5
LAT= 54.0	Ū=	.402 / 5.5	V=	.035 / 6.8	₩=	.002460 / 10.5	T=	.385 / 20.0
LAT= 60.0	Ü=	.034 / 3.2	V=	.282 / .2	W=	.002340 / 11.2	T=	.376 / 19.0
LAT= 66.0	Ū=	.238 / 18.1	V=	.473 / 0.0	W=	.002092 / 11.6	T=	.363 / 18.4
LAT= 72.0	U≠	.439 / 18.1	V=	.612 / 0.0	W=	.001677 / 11.7	T=	.326 / 18.1
LAT= 78.0	U=	.595 / 18.0	V =	.714 / 24.0	W=	.001160 / 11.8	T=	.252 / 18.0
Z= 41.789	KM							
LAT=-78.0	U=	1.604 / 18.0	V=	1.856 / 12.0	W=	.003723 / 11.9	T=	.783 / 17.9
LAT=-72.0	U=	1.364 / 18.2	V =	1.726 / 12.1	W=	.005087 / 11.9	T=	1.109 / 17.9
LAT=-66.0	Ų=	1.090 / 18.6	٧×	1.577 / 12.2	W=	.006044 / 11.9	T=	1.363 / 17.9
LAT=-60.0	U=	.973 / 19.1	V =	1.448 / 12.5	W=	.006315 / 11.8	T=	1.534 / 18.1
LAT=-54.0	U≖	1.010 / 19.6	V =	1.360 / 13.1	W =	.005798 / 11.5	T=	1.642 / 18.4
LAT=-48.0	U=	1.028 / 22.8	V =	1.381 / 14.2	W=	.003493 / 10.8	Tπ	2.012 / 18.4
LAT=-42.0	U=	1.674 / .4	V =	1.698 / 15.7	W =	.001661 / 6.8	T =	2.312 / 18.6
LAT=-36.0	U=	2.470 / .8	V=	2.443 / 16.8	W≃	.003152 / 2.9	T=	2.446 / 18.8
LAT=-30.0	U=	3.189 / 1.1	V =	3.428 / 17.4	W =	.004275 / 2.1	T =	2.407 / 18.9
LAT=-24.0	U=	3.572 / 1.2	V =	4.372 / 17.7	W=	.002028 / 3.2	T =	1.883 / 18.7
LAT=-18.0	U=	3.271 / 1.3	V =	4.845 / 17.9	W =	.005834 / 12.2	T=	.768 / 17.2
LAT=-12.0	U≖	2.370 / 1.4	V =	4.268 / 17.8	W =	.016477 / 12.7	7 =	1.103 / 9.4
LAT= -6.0	U=	1.397 / 1.7	V =	2.555 / 17.4	W =	.02619 2 / 12.8	T=	2.497 / 8.4
LAT= 0.0	U≖	1.007 / 2.2	V =	.692 / 12.0	W=	.030139 / 12.8	T=	3.140 / 8.2
LAT= 6.0	U=	1.476 / 2.1	٧-	2.722 / 7.4	W =	.026006 / 12.8	T =	2.671 / 8.2
LAT≈ 12.0	U=	2.503 / 1.9	V =	4.422 / 7.0	W=	.016059 / 12.7	T =	1.391 / 8.4
LAT= 18.0	U =	3.453 / 1.8	V =	4.966 / 6.9	W=	.005130 / 12.3	T=	.204 / 15.6
LAT= 24.0	U=	3.786 / 1.8	V =	4.456 / 6.8	W =	.002840 / 2.1	T =	1.204 / 19.2
LAT= 30.0	U=	3.437 / 1.8	V =	3.445 / 6.6	W =	.005586 / 1.6	T≠	1.681 / 19.3
LAT= 36.0	U=	2.744 / 1.8	V=	2.346 / 6.4	W =	.004793 / 1.8	T =	1.720 / 19.2
LAT= 42.0	U=	1.819 / 1.8	V =	1.408 / 5.7	W=	.002541 / 2.6	T=	1.570 / 19.0
LAT= 48.0	U=	1.034 / 1.4	V =	.877 / 4.0	W =	.001179 / 7.8	T =	1.368 / 18.7
LAT= 54.0	U=	.518 / 23.7	V =	.806 / 1.9	W =	.002463 / 11.1	T=	1.220 / 18.4
LAT= 60.0	U=	.497 / 20.0	V =	.971 / .7	W =	.003227 / 11.5	T=	1.124 / 18.2
LAT= 66.0	U≠	.763 / 18.5	V =	1.169 / .2	W =	.003316 / 11.7	Ţ.	1.008 / 18.1
LAT= 72.0	U=	1.040 / 18.1	V =	1.351 / 0.0	W =	.002840 / 11.9	Ţ.	.856 / 17.9
LAT= 78.0	U=	1.286 / 18.0	V =	1.505 / 24.0	Ma	.002013 / 11.9	T =	.638 / 17.9

Table B2. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km at the December Solstice (Contd)

Z= 47.224	KM							
LAT=-78.0	U=	3.978 / 18.0	V =	4.606 / 11.9	W=	.006866 / 12.0	T=	1.595 / 17.
LAT=-72.0	U=	3.459 / 18.1	V =	4.323 / 11.9	M=	.009424 / 12.0	T.	2.234 / 17.
LAT=-66.0	U=	3.053 / 18.2	V=	4.059 / 12.0	W=	.011343 / 12.0	T=	2.702 / 17.
AT=-60.0	U=	2.970 / 18.2	٧×	3.909 / 12.1	₩=	.012257 / 12.1	T=	2.984 / 17.
AT=-54.0	U≖	3.302 / 18.2	V =	3.956 / 12.1	W =	.012092 / 12.4	T=	3.098 / 17.
AT=-48.0	U=	3.295 / 18.7	V×	4.319 / 12.3	W=	.010137 / 13.2	T=	3.458 / 17.
AT=-42.0	U≖	4.036 / 19.0	V =	5.148 / 12.4	W=	.008303 / 14.5	T=	3.681 / 17.
AT=-36.0	U=	5.357 / 19.0	V=	6.514 / 12.6	W=	.007403 / 16.1	T=	3.665 / 17.
AT=-30.0	Ü=	6.215 / 19.2	٧×	8.159 / 12.7	W=	.007148 / 17.1	T=	3.490 / 16.
AT=-24.0	U≖	6.570 / 19.2	٧×	9.680 / 12.7	W=	.005588 / 15.6	T=	2.817 / 17.
AT=-18.0	Ŭ=	5.817 / 19.2	V=	10.365 / 12.8	₩≖	.009612 / 11.3	Ť=	1.561 / 18.
AT=-12.0	Ū=	3.986 / 19.3	V=	9.216 / 12.8	W=	.021428 / 10.1	T=	1.230 / 23.
AT= -6.0	Ŭ=	2.023 / 19.5	V=	6.021 / 12.7	W=	.032739 / 9.8	T=	2.555 / 1.
AT= 0.0	U#	1.092 / 19.9	٧×	1.455 / 11.9	W=	.037250 / 9.7	T=	3.242 / 2.
	U=	1.718 / 19.8		3.272 / 1.4			T=	2.720 / 2.
LAT= 6.0	U=	3.393 / 19.6	٧×		W=	.032053 / 9.7		
LAT= 12.0	-		٧×		W=	.019953 / 10.0	T =	1.342 / 1.
AT= 18.0	U.=	4.969 / 19.5	٧=	7.864 / 1.1	W=	.007137 / 11.2	T=	.773 / 18.
AT= 24.0	U=	5.542 / 19.5	V=	7.365 / 1.0	W=	.004848 / 18.0	T=	1.858 / 16.
AT= 30.0	U=	5.042 / 19.5	V =	6.037 / 1.0	M =	.007609 / 19.2	T=	2.429 / 16.
AT= 36.0	U=	4.067 / 19.4	V =	4.591 / .9	W=	.006813 / 18.7	T=	2.546 / 16.
AT= 42.0	U=	2.847 / 19.4	V=	3.390 / .7	W=	.005161 / 17.0	T≖	2.460 / 16.
.AT= 48.0	U≖	2.004 / 19.1	V =	2.713 / .4	W=	.004971 / 14.5	T=	2.302 / 17.
.AT= 54.0	U=	1.676 / 18.7	۷≉	2.489 / .2	M=	.006031 / 13.0	T=	2.178 / 17.
AT= 60.0	U≖	1.765 / 18.2	V =	2.548 / .1	W =	.006618 / 12.4	T =	2.055 / 17.
AT# 66.0	U=	2.061 / 18.0	V =	2.740 / 24.0	W=	.006406 / 12.1	T=	1.858 / 17.
AT= 72.0	U≖	2.452 / 18.0	V=	2.979 / 24.0	W =	.005418 / 12.0	T=	1.566 / 17.
LAT= 78.0	U=	2.832 / 18.0	٧=	3.215 / 23.9	W=	.003856 / 11.9	T =	1.156 / 17.
Z= 52.691	KM							
LAT=-78.0	U=	7.026 / 17.9	V=	7.942 / 11.8	W=	.010397 / 11.9	T=	1.687 / 17.
AT=-72.0	U=	6.185 / 18.0	V =	7.470 / 11.8	₩=	.014366 / 11.9	T =	2.325 / 17.
LAT=-66.0	U≖	5.323 / 17.9	V×	6.978 / 11.9	W=	.017693 / 12.0	T =	2.758 / 17.
AT=-60.0	U=	4.927 / 17.7	V =	6.592 / 11.8	W=	020142 / 12.1	T =	2.911 / 17.
AT=-54.0	U=	5.123 / 17.4	V =	6.419 / 11.6	W×	.021842 / 12.3	T≠	2.783 / 17.
AT=-48.0	U=	4.751 / 17.2	V=	6.595 / 11.4	W=	.022787 / 12.7	T=	2.779 / 17.
AT=-42.0	U=	5.345 / 16.8	٧×	7.324 / 11.1	₩≃	.023936 / 13.2	T=	2.611 / 16.
AT=-36.0	u=	6.781 / 16.5	V=	8.717 / 10.8	W=	.024620 / 13.6	T=	2.323 / 15.
AT=-30.0	Ü=	7.619 / 16.4	٧×	10.482 / 10.5	W=	.023420 / 13.8	T=	2.116 / 15.
AT=-24.0	Ü=	7.898 / 16.3	V=	12.130 / 10.4	M=	.018518 / 13.5	Ť×	1.776 / 15.
AT=-18.0	U=	6.836 / 16.2	V=	12.787 / 10.3	W=	.010904 / 11.1	T=	1.744 / 18.
AT=-12.0	U=	4.608 / 16.1	V=	11.223 / 10.3	w= W=	.015995 / 6.6	T=	2.861 / 20.
	U=	2.217 / 15.7						
AT= -6.0		4 122 / 18 0	V=	7.197 / 10.4	M=	.028064 / 5.4	T=	4.208 / 21.
AT= 0.0	U=	1.133 / 14.9	٧×	1.613 / 11.9	₩=	.033517 / 5.1	T =	4.764 / 21.
AT= 6.0	U=	1.902 / 15.3	٧×	4.400 / 21.3	W=	.028352 / 5.1	T =	4.117 / 21.
AT= 12.0	U=	3.957 / 15.8	V =	8.446 / 21.7	W=	.015706 / 5.8	₹=	2.642 / 20.
AT= 18.0	U=	5.927 / 15.9	V =	10.064 / 21.8	M=	.006154 / 10.5	T =	1.305 / 18.
AT= 24.0	U=	6.693 / 16.0	V =	9.463 / 21.9	W=	.013111 / 14.2	T ==	1.296 / 14.
AT= 30.0	U=	6.158 / 16.0	V»	7.850 / 22.0	W =	.017462 / 14.5	T=	1.624 / 14.
AT= 36.0	U=	5.044 / 16.1	V=	6.098 / 22.3	M=	.017783 / 14.3	T =	1.694 / 14.
AT= 42.0	U=	3.639 / 16.2	V =	4.679 / 22.6	W=	.016364 / 13.8	T=	1.713 / 15.
AT= 48.0	U≠	2.709 / 16.6	V =	3.933 / 23.1	W=	.014609 / 13.2	T=	1.787 / 16.
AT= 54.0	U≖	2.435 / 17.1	V=	3.762 / 23.5	W=	.013336 / 12.7	T=	1.890 / 17.
	Ŭ=	2.694 / 17.6	v.	3.942 / 23.7	₩₹	.012362 / 12.3	T=	1.894 / 17.
					**			,,,,,,,
AT= 60.0	U=	3.205 / 17.8	V =	4.275 / 23 A	W ×	.010951 / 12-1	T-	1.767 / 17.
	U =	3.205 / 17.8 3.840 / 17.9	V= V=	4.275 / 23.8 4.657 / 23.8	W=	.010951 / 12.1 .008937 / 12.0	T= T=	1.767 / 17.

Table B2. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From $78^{\circ}\mathrm{S}$ to $78^{\circ}\mathrm{N}$ in 6° Increments, for Altitudes From Sea Level to 400 km at the December Solstice (Contd)

	W 8.0					·		
Z= 58.200								
LAT=-78.0	U=	9.320 / 17.8	V =	10.612 / 11.8	W =	.012734 / 11.9	T=	1.244 / 17.
LAT=-72.0	U≖	B.068 / 17.8	٧æ	9.899 / 11.6	W =	.017555 / 11.9	T≖	1.665 / 17.6
LAT=-66.0	U=	6.617 / 17.8	V =	9.091 / 11.8	W=	.021862 / 11.9	T=	1.874 / 17.
LAT=-60.0	U≖	5.786 / 17.5	V ≠	8.263 / 11.7	W=	.025416 / 11.9	T =	1.820 / 17.1
LAT=-54.0	U=	5.073 / 16.7	٧±	7.422 / 11.4	W =	.028482 / 11.9	T=	1.482 / 18.0
LAT=-48.0	U=	3.616 / 15.1	V ≠	6.629 / 10.8	W =	.031944 / 11.9	T =	1.142 / 17.1
LAT=-42.0	U=	4.142 / 12.7	V =	6.195 / 9 .8	W =	.035728 / 11.9	T =	.542 / 17.1
LAT=-36.0	U=	6.318 / 11.5	V =	6.709 / 8.4	W=	.038175 / 12.0	T≠	.171 / 5.3
LAT=-30.0	U =	8.133 / 10.9	V =	8.247 / 7.2	W =	.036893 / 12.0	T≖	.466 / 5.
LAT=-24.0	U≃	9.201 / 10.6	V =	10.089 / 6.5	W=	.028307 / 12.0	T =	.076 / 4.
LAT=-18.0	U≃	8.565 / 10.4	V =	11.059 / 6.2	W=	.009775 / 11.8	Ţ 🕿	1.250 / 17.
LAT=-12.0	U=	6.341 / 10.1	V =	9.721 / 6.1	₩≠	.014932 / .3	T=	3.213 / 17.
LAT= -6.0	U=	3.939 / 9.5	V =	5.796 / 6.3	W =	.036916 / .2	T =	5.007 / 17.
AT= 0.0	U=	2.990 / 9.0	V=	1.235 / 11.9	W =	.046637 / .1	T =	5.744 / 17.
LAT= 6.0	Ū=	4.097 / 9.3	V=	6.026 / 16.7	W=	.039292 / .1	T⇒	4.986 / 17.
LAT= 12.0	U=	6.618 / 9.8	V=	9.912 / 17.1	W=	.019417 / .2	T≖	3.150 / 17.
LAT= 18.0	Ū=	8.956 / 10.0	v =	11,164 / 17.2	W =	.003411 / 11.6	T=	1.124 / 17.
AT= 24.0	Ū=	9.726 / 10.1	٧×	9,988 / 17.4	W=	.020520 / 12.0	Τ=	.309 / 5.
LAT= 30.0	Ü=	8.759 / 10.1	v=	7.712 / 17.7	W =	.028071 / 12.0	Ť=	.822 / 5.
LAT= 36.0	Ū≠	6.914 / 10.2	٧×	5.335 / 18.3	W=	.028702 / 12.0	T=	.659 / 5 .
AT= 42.0	Ü=	4.478 / 10.5	V =	3.550 / 19.6	W=	.026041 / 12.0	T=	.199 / 5.
AT= 48.0	U=	2.481 / 11.4	V=	3.034 / 21.6	W=	.022259 / 11.9	T=	.294 / 18.
AT= 54.0	U=	1.614 / 14.3	V=	3.455 / 22.9	W =	.019015 / 11.9	T=	.665 / 17.
	U=		V =	4.162 / 23.4	W=	.016736 / 11.9	T=	
AT= 60.0	U=	2.274 / 16.8					•	.816 / 17.
AT= 66.0	U=	3.322 / 17.6	V =	4.845 / 23.7	W=	.014315 / 11.9	T=	.835 / 17.
LAT= 72.0 LAT= 78.0	U=	4.352 / 17.7 5.223 / 17.8	٧=	5.477 / 23.8 6.014 / 23.8	W=	.011487 / 11.9		.747 / 17.
		5.225 / 17.0	V=	0.014 / 23.8	W=	.008127 / 11.9	7=	.564 / 17.
Z= 63.765	KM							
LAT=-78.0	U≐	10.406 / 17.9	٧×	11.834 / 11.9	W =	.013637 / 11.8	T=	.813 / 17.
LAT=-72.0	Ü≠	8.902 / 17.9	V=	10.931 / 11.8	W=	.018531 / 11.8	T=	1.052 / 17.
AT=-66.0	Ū=	7.311 / 17.8	V =	9.839 / 11.8	'a =	.022480 / 11.7	Ť=	1.145 / 18.
AT=-60.0	Ŭ=	5.818 / 17.6	V =	8.583 / 11.8	W=	.025774 / 11.5	T=	1.016 / 18.
AT=-54.0	U=		V =	7.021 / 11.6			T=	
	-	4 392 / 16 9						
	{ I =	4.382 / 16.9			w=	.028787 / 11.2		
	U=	1.982 / 13.9	V =	4.962 / 11.1	W=	.032857 / 10.8	T≖	.654 / 22.
AT=-42.0	Uء	1.982 / 13.9 3.689 / 9.3	V = V =	4.962 / 11.1 2.648 / 9.0	M = M =	.032857 / 10.8 .037749 / 10.4	T = T =	.654 / 22. 1.027 / 1.
AT=-42.0 AT=-36.0	U≈ U=	1.982 / 13.9 3.689 / 9.3 7.126 / 8.5	V = V = V =	4.962 / 11.1 2.648 / 9.0 3.607 / 3.7	M = M = M =	.032857 / 10.8 .037749 / 10.4 .041404 / 10.1	T = T = T =	.654 / 22. 1.027 / 1. 1.678 / 2.
AT=-42.0 AT=-36.0 AT=-30.0	U = U = U =	1.982 / 13.9 3.689 / 9.3 7.126 / 8.5 10.014 / 8.2	V = V = V =	4.962 / 11.1 2.648 / 9.0 3.607 / 3.7 7.542 / 2.2	M = M = M = M =	.032857 / 10.8 .037749 / 10.4 .041404 / 10.1 .040585 / 9.9	T = T = T =	.654 / 22. 1.027 / 1. 1.678 / 2. 1.862 / 2.
AT=-42.0 AT=-36.0 AT=-30.0 AT=-24.0	U = U = U =	1.982 / 13.9 3.689 / 9.3 7.126 / 8.5 10.014 / 8.2 11.728 / 8.0	V = V = V = V =	4.962 / 11.1 2.648 / 9.0 3.607 / 3.7 7.542 / 2.2 11.447 / 1.8	M = M = M = M = M =	.032857 / 10.8 .037749 / 10.4 .041404 / 10.1 .040585 / 9.9 .030123 / 10.1	T= T= T= T=	.654 / 22. 1.027 / 1. 1.678 / 2. 1.862 / 2. 1.179 / 2.
AT=-42.0 AT=-36.0 AT=-30.0 AT=-24.0 AT=-18.0	U= U= U= U=	1.982 / 13.9 3.689 / 9.3 7.126 / 8.5 10.014 / 8.2 11.728 / 8.0 11.147 / 7.9	V = V = V = V = V =	4.962 / 11.1 2.648 / 9.0 3.607 / 3.7 7.542 / 2.2 11.447 / 1.8 13.721 / 1.7	W= W= W= W=	.032857 / 10.8 .037749 / 10.4 .041404 / 10.1 .040585 / 9.9 .030123 / 10.1 .010136 / 13.3	T = T = T = T = T = T =	.654 / 22. 1.027 / 1. 1.678 / 2. 1.862 / 2. 1.179 / 2. .789 / 16.
AT = -42.0 AT = -36.0 AT = -30.0 AT = -24.0 AT = -18.0 AT = -12.0	U= U= U= U= U=	1.982 / 13.9 3.689 / 9.3 7.126 / 8.5 10.014 / 8.2 11.728 / 8.0 11.147 / 7.9 8.470 / 7.8	V = V = V = V = V = V = V = V =	4.962 / 11.1 2.648 / 9.0 3.607 / 3.7 7.542 / 2.2 11.447 / 1.8 13.721 / 1.7 12.423 / 1.6	M= M= M= M= M=	.032857 / 10.8 .037749 / 10.4 .041404 / 10.1 .040585 / 9.9 .030123 / 10.1 .010136 / 13.3 .030892 / 19.6	T = T = T = T =	.654 / 22. 1.027 / 1. 1.678 / 2. 1.862 / 2. 1.179 / 2. .789 / 16. 3.459 / 15.
AT = -42.0 AT = -36.0 AT = -30.0 AT = -24.0 AT = -18.0 AT = -12.0 AT = -6.0	U = U = U = U = U =	1.982 / 13.9 3.689 / 9.3 7.126 / 8.5 10.014 / 8.2 11.728 / 8.0 11.147 / 7.9 8.470 / 7.8 5.450 / 7.6	V = V = V = V = V = V = V = V = V = V =	4.962 / 11.1 2.648 / 9.0 3.607 / 3.7 7.542 / 2.2 11.447 / 1.8 13.721 / 1.7 12.423 / 1.6 7.180 / 1.7	#= #= #= #= #= #=	.032857 / 10.8 .037749 / 10.4 .041404 / 10.1 .040585 / 9.9 .030123 / 10.1 .010136 / 13.3 .030892 / 19.6 .059895 / 20.2	T = T = T = T = T =	.654 / 22. 1.027 / 1. 1.678 / 2. 1.862 / 2. 1.179 / 2. .789 / 16. 3.459 / 15. 5.893 / 15.
AT = -42.0 AT = -36.0 AT = -30.0 AT = -24.0 AT = -18.0 AT = -12.0 AT = -6.0 AT = 0.0		1.982 / 13.9 3.689 / 9.3 7.126 / 8.5 10.014 / 8.2 11.728 / 8.0 11.147 / 7.9 8.470 / 7.8 5.450 / 7.6 4.157 / 7.3	V = V = V = V = V = V = V = V = V = V =	4.962 / 11.1 2.648 / 9.0 3.607 / 3.7 7.542 / 2.2 11.447 / 1.8 13.721 / 1.7 12.423 / 1.6 7.180 / 1.7 .908 / 11.8	#= #= #= #= #= #=	.032857 / 10.8 .037749 / 10.4 .041404 / 10.1 .040585 / 9.9 .030123 / 10.1 .010136 / 13.3 .030892 / 19.6 .059895 / 20.2 .072346 / 20.3	T = T = T = T = T =	.654 / 22. 1.027 / 1. 1.678 / 2. 1.862 / 2. 1.179 / 2. .789 / 16. 3.459 / 15. 5.893 / 15. 6.905 / 15.
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AT=-42.0 AT=-36.0 AT=-30.0 AT=-24.0 AT=-18.0 AT=-12.0 AT= -6.0 AT= 6.0 AT= 12.0		1.982 / 13.9 3.689 / 9.3 7.126 / 8.5 10.014 / 8.2 11.728 / 8.0 11.147 / 7.9 8.470 / 7.8 5.450 / 7.6 4.157 / 7.3 5.562 / 7.5 8.772 / 7.7	V = V = V = V = V = V = V = V = V = V =	4.962 / 11.1 2.648 / 9.0 3.607 / 3.7 7.542 / 2.2 11.447 / 1.8 13.721 / 1.7 12.423 / 1.6 7.180 / 1.7 .908 / 11.8 8.885 / 13.3 14.339 / 13.4	**************************************	.032857 / 10.8 .037749 / 10.4 .041404 / 10.1 .040585 / 9.9 .030123 / 10.1 .010136 / 13.3 .030892 / 19.6 .059895 / 20.2 .072346 / 20.3 .061215 / 20.3 .03008 / 20.1	T = T = T = T = T = T = T = T = T = T =	.654 / 22. 1.027 / 1. 1.678 / 2. 1.862 / 2. 1.179 / 2. .789 / 16. 3.459 / 15. 5.893 / 15. 6.905 / 15. 5.919 / 15. 3.488 / 15.
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AT=-42.0 AT=-36.0 AT=-30.0 AT=-24.0 AT=-12.0 AT=-12.0 AT= -6.0 AT= 6.0 AT= 12.0 AT= 12.0 AT= 12.0 AT= 12.0 AT= 24.0		1.982 / 13.9 3.689 / 9.3 7.126 / 8.5 10.014 / 8.2 11.728 / 8.0 11.147 / 7.9 8.470 / 7.8 5.450 / 7.6 4.157 / 7.3 5.562 / 7.5 7.72 / 7.7	V = V = V = V = V = V = V = V = V = V =	4.962 / 11.1 2.648 / 9.0 3.607 / 3.7 7.542 / 2.2 11.447 / 1.8 13.721 / 1.7 12.423 / 1.6 7.180 / 1.7 .908 / 11.8 8.885 / 13.3 14.339 / 13.4 15.985 / 13.4	**************************************	.032857 / 10.8 .037749 / 10.4 .041404 / 10.1 .040585 / 9.9 .030123 / 10.1 .010136 / 13.3 .030892 / 19.6 .059895 / 20.2 .072346 / 20.3 .061215 / 20.3 .03008 / 20.1 .095138 / 15.1		.654 / 22. 1.027 / 1. 1.678 / 2. 1.862 / 2. 1.179 / 2789 / 16. 3.459 / 15. 5.893 / 15. 6.905 / 15. 5.919 / 15. 3.488 / 15. 802 / 16. 1.228 / 2.
AT = -42.0 AT = -36.0 AT = -30.0 AT = -24.0 AT = -18.0 AT = -12.0 AT = -6.0 AT = 0.0 AT = 12.0 AT = 18.0 AT = 18.0 AT = 24.0 AT = 30.0	U = U = U = U = U = U = U = U = U = U =	1.982 / 13.9 3.689 / 9.3 7.126 / 8.5 10.014 / 8.2 11.728 / 8.0 11.147 / 7.9 8.470 / 7.8 5.450 / 7.5 8.772 / 7.3 5.562 / 7.5 8.772 / 7.7 11.720 / 7.8 12.696 / 7.9 11.453 / 7.9 19.076 / 7.9	V = V = V = V = V = V = V = V = V = V =	4.962 / 11.1 2.648 / 9.0 3.607 / 3.7 7.542 / 2.2 11.447 / 1.8 13.721 / 1.7 12.423 / 1.6 7.180 / 1.7 .908 / 11.8 8.885 / 13.3 14.339 / 13.4 15.985 / 13.4 14.085 / 13.4	**************************************	.032857 / 10.8 .037749 / 10.4 .041404 / 10.1 .040585 / 9.9 .030123 / 10.1 .010136 / 13.3 .030892 / 19.6 .059895 / 20.2 .072346 / 20.3 .061215 / 20.3 .033008 / 20.1 .005138 / 15.1		.654 / 22. 1.027 / 1. 1.678 / 2. 1.862 / 2. 1.179 / 2. .789 / 16. 3.459 / 15. 5.893 / 15. 6.905 / 15. 5.919 / 15. 3.488 / 15. .802 / 16. 1.228 / 2. 1.982 / 2.
AT = -42.0 AT = -36.0 AT = -36.0 AT = -24.0 AT = -18.0 AT = -12.0 AT = -6.0 AT = 6.0 AT = 12.0 AT = 18.0 AT = 30.0 AT = 30.0 AT = 30.0 AT = 36.0	U = U = U = U = U = U = U = U = U = U =	1.982 / 13.9 3.689 / 9.3 7.126 / 8.5 10.014 / 8.2 11.728 / 8.0 11.147 / 7.9 8.470 / 7.8 5.450 / 7.6 4.157 / 7.3 5.562 / 7.5 8.772 / 7.7 11.720 / 7.8 12.696 / 7.9 11.453 / 7.9	V = V = V = V = V = V = V = V = V = V =	4.962 / 11.1 2.648 / 9.0 3.607 / 3.7 7.542 / 2.2 11.447 / 1.8 13.721 / 1.7 12.423 / 1.6 7.180 / 1.7 .908 / 11.8 8.885 / 13.3 14.339 / 13.4 15.985 / 13.4 14.085 / 13.4	==== ==== ==== ==== ===== ============	.032857 / 10.8 .037749 / 10.4 .041404 / 10.1 .040585 / 9.9 .030123 / 10.1 .010136 / 13.3 .030892 / 19.6 .059895 / 20.2 .072346 / 20.3 .033008 / 20.1 .005138 / 15.1 .023768 / 9.6 .033583 / 9.5	=	.654 / 22. 1.027 / 1. 1.678 / 2. 1.862 / 2. 1.179 / 2. .789 / 16. 3.459 / 15. 5.893 / 15. 6.905 / 15. 5.906 / 15. 3.488 / 15. 802 / 16. 1.228 / 2. 1.829 / 2. 1.870 / 2.
LAT = -42.0 LAT = -36.0 LAT = -24.0 LAT = -24.0 LAT = -18.0 LAT = -6.0 LAT = 6.0 LAT = 6.0 LAT = 12.0 LAT = 12.0 LAT = 12.0 LAT = 24.0 LAT = 30.0 LAT = 36.0 LAT = 36.0	U = U = U = U = U = U = U = U = U = U =	1.982 / 13.9 3.689 / 9.3 7.126 / 8.5 10.014 / 8.2 11.728 / 8.0 11.147 / 7.9 8.470 / 7.8 5.450 / 7.6 4.157 / 7.3 5.562 / 7.5 8.772 / 7.7 11.720 / 7.8 12.695 / 7.9 11.453 / 7.9 9.076 / 7.9	V = V = V = V = V = V = V = V = V = V =	4.962 / 11.1 2.648 / 9.0 3.607 / 3.7 7.542 / 2.2 11.447 / 1.8 13.721 / 1.7 12.423 / 1.6 7.180 / 1.7 .908 / 11.8 8.885 / 13.3 14.339 / 13.4 15.985 / 13.4 14.085 / 13.4 10.446 / 13.5 6.536 / 13.7	======================================	.032857 / 10.8 .037749 / 10.4 .041404 / 10.1 .040585 / 9.9 .030123 / 10.1 .010136 / 13.3 .030892 / 19.6 .059895 / 20.2 .072346 / 20.3 .061215 / 9.6		.654 / 22. 1.027 / 1. 1.678 / 2. 1.862 / 2. 1.179 / 2. .789 / 16. 3.459 / 15. 5.893 / 15. 6.905 / 15. 5.919 / 15. 3.488 / 15. 802 / 16. 1.228 / 2. 1.982 / 2. 1.982 / 2. 1.366 / 2.
LAT=-42.0 LAT=-36.0 LAT=-30.0 LAT=-24.0 LAT=-12.0 LAT=-6.0 LAT= 0.0 LAT= 12.0 LAT= 18.0 LAT= 18.0 LAT= 24.0 LAT= 36.0 LAT= 36.0 LAT= 42.0 LAT= 42.0	0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 =	1.982 / 13.9 3.689 / 9.3 7.126 / 8.5 10.014 / 8.2 11.728 / 8.0 11.147 / 7.9 8.470 / 7.8 5.450 / 7.3 5.562 / 7.5 8.772 / 7.3 11.720 / 7.8 12.695 / 7.9 11.453 / 7.9 9.076 / 7.9 5.877 / 7.9	V = V = V = V = V = V = V = V = V = V =	4.962 / 11.1 2.648 / 9.0 3.607 / 3.7 7.542 / 2.2 11.447 / 1.8 13.721 / 1.7 12.423 / 1.6 7.180 / 1.7 .908 / 11.8 8.885 / 13.3 14.339 / 13.4 15.985 / 13.4 14.085 / 13.4 10.426 / 13.5 6.536 / 13.7 2.952 / 14.4	**************************************	.032857 / 10.8 .037749 / 10.4 .041404 / 10.1 .040585 / 9.9 .030123 / 10.1 .010136 / 13.3 .030892 / 19.6 .059895 / 20.2 .072346 / 20.3 .061215 / 20.3 .033008 / 20.1 .005138 / 15.1 .023768 / 9.6 .033583 / 9.5 .033673 / 9.6		.654 / 22. 1.027 / 1. 1.678 / 2. 1.862 / 2. 1.179 / 2. .789 / 16. 3.459 / 15. 5.893 / 15. 6.905 / 15. 3.488 / 15. 802 / 16. 1.228 / 2. 1.982 / 2. 1.870 / 2. 1.366 / 2. .795 / 2.
-	0 =	1.982 / 13.9 3.689 / 9.3 7.126 / 8.5 10.014 / 8.2 11.728 / 8.0 11.147 / 7.9 8.470 / 7.8 5.450 / 7.6 4.157 / 7.3 5.562 / 7.5 8.772 / 7.7 11.720 / 7.8 12.696 / 7.9 11.453 / 7.9 9.076 / 7.9 5.877 / 7.9 5.877 / 7.9 3.024 / 8.3	V = V = V = V = V = V = V = V = V = V =	4.962 / 11.1 2.648 / 9.0 3.607 / 3.7 7.542 / 2.2 11.447 / 1.8 13.721 / 1.7 12.423 / 1.6 7.180 / 1.7 .908 / 11.8 8.885 / 13.3 14.339 / 13.4 15.985 / 13.4 14.085 / 13.4 10.486 / 13.5 6.536 / 13.7 2.952 / 14.4 1.003 / 19.0	**************************************	.032857 / 10.8 .037749 / 10.4 .041404 / 10.1 .040585 / 9.9 .030123 / 10.1 .010136 / 13.3 .030892 / 19.6 .059895 / 20.2 .072346 / 20.3 .061215 / 20.3 .033008 / 20.1 .005138 / 15.1 .023768 / 9.6 .033673 / 9.6 .029363 / 9.9 .024032 / 10.4		1.678 / 2.1 1.862 / 2.1 1.179 / 2.7 789 / 16.3 3.459 / 15.5 5.905 / 15.5 5.919 / 15.3 3.488 / 15.1 802 / 16.1 1.228 / 2.1 1.982 / 2.1 1.366 / 2.1 795 / 2.1
LAT = -42.0 LAT = -36.0 LAT = -30.0 LAT = -24.0 LAT = -18.0 LAT = -6.0 LAT = 0.0 AT = 6.0 LAT = 12.0 LAT = 12.0 LAT = 30.0 LAT = 36.0 LAT = 36.0 LAT = 42.0 LAT = 48.0 LAT = 48.0 LAT = 54.0	0 = = = = = = = = = = = = = = = = = = =	1.982 / 13.9 3.689 / 9.3 7.126 / 8.5 10.014 / 8.2 11.728 / 8.0 11.147 / 7.9 8.470 / 7.8 5.450 / 7.6 4.157 / 7.5 8.772 / 7.7 11.720 / 7.8 12.696 / 7.9 9.076 / 7.9 5.877 / 7.9 3.024 / 8.3 .974 / 10.9	V = V = V = V = V = V = V = V = V = V =	4.962 / 11.1 2.648 / 9.0 3.607 / 3.7 7.542 / 2.2 11.447 / 1.8 13.721 / 1.7 12.423 / 1.6 7.180 / 1.7 .908 / 11.8 8.885 / 13.3 14.339 / 13.4 15.985 / 13.4 14.085 / 13.4 10.426 / 13.5 6.536 / 13.7 2.952 / 14.4 1.003 / 19.0 2.273 / 23.1 3.6555 / 23.6	**************************************	.032857 / 10.8 .037749 / 10.4 .041404 / 10.1 .040585 / 9.9 .030123 / 10.1 .010136 / 13.3 .030892 / 19.6 .059895 / 20.2 .072346 / 20.3 .061215 / 20.3 .033008 / 20.1 .023768 / 9.6 .033583 / 9.5 .033673 / 9.6 .029363 / 9.9 .024032 / 10.4 .019911 / 10.9 .017398 / 11.3		.654 / 22. 1.027 / 1. 1.678 / 2. 1.862 / 2. 1.179 / 2. .789 / 16. 3.459 / 15. 5.893 / 15. 6.905 / 15. 5.919 / 15. 3.488 / 15. .802 / 16. 1.228 / 2. 1.982 / 2. 1.982 / 2. 1.366 / 2. .795 / 2. .369 / 1.
AT = -42.0 AT = -36.0 AT = -30.0 AT = -24.0 AT = -18.0 AT = -16.0 AT = 0.0 AT = 0.0 AT = 12.0 AT = 12.0 AT = 12.0 AT = 24.0 AT = 36.0 AT = 42.0 AT = 48.0 AT = 48.0 AT = 48.0 AT = 54.0 AT = 54.0		1.982 / 13.9 3.689 / 9.3 7.126 / 8.5 10.014 / 8.2 11.728 / 8.0 11.147 / 7.9 8.470 / 7.8 5.450 / 7.3 5.562 / 7.5 8.772 / 7.3 11.720 / 7.8 12.696 / 7.9 11.453 / 7.9 9.076 / 7.9 3.024 / 8.3 .974 / 10.9 1.672 / 16.7	V = V = V = V = V = V = V = V = V = V =	4.962 / 11.1 2.648 / 9.0 3.607 / 3.7 7.542 / 2.2 11.447 / 1.8 13.721 / 1.7 12.423 / 1.6 7.180 / 1.7 .908 / 11.8 8.885 / 13.3 14.339 / 13.4 15.985 / 13.4 14.085 / 13.4 14.085 / 13.5 6.536 / 13.7 2.952 / 14.4 1.003 / 19.0 2.273 / 23.1		.032857 / 10.8 .037749 / 10.4 .041404 / 10.1 .040585 / 9.9 .030123 / 10.1 .010136 / 13.3 .030892 / 19.6 .059895 / 20.2 .072346 / 20.3 .061215 / 20.3 .033008 / 20.1 .005138 / 15.1 .023768 / 9.5 .033673 / 9.6 .029363 / 9.9 .024032 / 10.4 .019911 / 10.9		.654 / 22. 1.027 / 1. 1.678 / 2. 1.862 / 2. 1.179 / 2. 789 / 16. 3.459 / 15. 5.893 / 15. 6.905 / 15. 5.919 / 15. 802 / 16. 1.228 / 2. 1.982 / 2. 1.870 / 2. 1.366 / 2. .795 / 2. 3.369 / 1.

Table B2. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78° S to 78° N in 6° Increments, for Altitudes From Sea Level to 400 km at the December Solstice (Contd)

Z= 69.403	KM							
LAT=-78.0	U=	10.582 / 17.9	V =	11.850 / 11.9	W=	.012963 / 11.6	T =	.541 / 18.0
LAT=-72.0	U=	8.999 / 18.0	V =	10.864 / 11.9	W=	.017181 / 11.6	T =	.707 / 18.2
LAT=-66.0	U=	6.900 / 18.1	Λæ	9.606 / 12.0	₩=	.020064 / 11.5	T≃	.835 / 18.4
LAT=-60.0	U=	5.149 / 18.3	V =	8.137 / 12.1	W=	.021283 / 11.1	T =	.876 / 19.4
LAT=-54.0	U=	3.611 / 18.9	V =	6.308 / 12.6	W =	.021362 / 10.3	T =	1.009 / 21.2
LAT=-48.0	U =	2.136 / .1	V =	4.213 / 14.1	W =	.022914 / 9.0	T=	1.570 / 21.8
LAT=-42.0	U=	5.291 / 3.0	V =	4.206 / 18.1	W=	.027608 / 7.7	1=	2.311 / 22.4
LAT = -36.0	U=	9.135 / 3.6	V =	8.743 / 20.3	w =	.033343 / 6.8	T=	2.993 / 22.8
LAT=-30.0	υ=	12.515 / 3.8	V =	14.755 / 21.0	W=	.034566 / 6.4	T =	3.130 / 22.9
LAT=-24.0	U=	14.418 / 3.9	V =	20.384 / 21.2	W =	.023637 / 6.9	T≡ T=	2.088 / 22.8
LAT=-18.0	U=	13.523 / 3.9	V =	23.414 / 21.3	₩ ==	.014941 / 13.6	T =	.596 / 12.0
LAT=-12.0	U=	10.141 / 4.0 6.383 / 4.2	V = V =	20.892 / 21.4 12.251 / 21.3	W= W=	.053474 / 16.0	T=	4.277 / 11.3 7.586 / 11.2
LAT = -6.0	U=		V =	.744 / 11.7	W=	.091027 / 16.3 .106338 / 16.4	T=	8.938 / 11.2
LAT= 0.0	U= U=		V =	13.570 / 9.6	w=	.090390 / 16.4	T=	7,577 / 11.3
LAT= 6.0 LAT= 12.0	U=	6.435 / 4.2 10.332 / 4.1	V =	22.400 / 9.6	w- w=	.052059 / 16.2	T=	4.263 / 11.4
LAT= 12.0	U=	13.935 / 4.0	V = V =	25.229 / 9.5	W =	.011002 / 14.3	T=	.596 / 12.5
LAT= 18.0	U≃	15.161 / 4.0	V = V =	22.517 / 9.5	W=	.022825 / 5.9	T =	2.107 / 22.8
LAT= 30.0	U=	13.716 / 4.0	V =	17.167 / 9.4	W=	.034289 / 5.6	T=	3.129 / 23.0
LAT= 36.0	U=	10.910 / 4.0	٧±	11.282 / 9.3	W=	.032431 / 5.9	T=	2.956 / 23.0
LAT= 42.0	U=	7.139 / 3.9	V =	6.017 / 8.9	W=	.024998 / 6.5	T=	2.240 / 23.1
LAT= 48.0	U≠	3.813 / 3.7	V=	2.477 / 7.2	W=	.017718 / 7.7	T=	1.411 / 23.2
LAT= 54.0	U=	1.336 / 2.0	V=	1.923 / 2.3	₩≃	.014185 / 9.4	T=	.745 / 23.5
LAT= 60.0	U=	1.423 / 19.3	V =	3.291 / .6	W=	.013544 / 10.6	T=	.412 / .6
LAT= 66.0	Űπ	2.910 / 18.2	V =	4,458 / .1	W=	.012675 / 11.3	T=	.241 / 2.2
LAT= 72.0	Ū=	4.211 / 18.1	V=	5.411 / 23.9	w=	.010744 / 11.6	T≃	,153 / 4.0
LAT= 78.0	Ū=	5.284 / 17.9	٧×	6.159 / 23.9	W=	.007961 / 11.B	T=	.120 / 5.0
Z= 75.140	KM							
LAT=-78.0	U=	9.876 / 17.9	V =	11.515 / 11.9	W=	.011790 / 11.8	T=	.195 / 17.7
LAT=-72.0	U=	8.329 / 18.1	V =	10.523 / 12.0	W=	.015196 / 11.8	T =	.282 / 17.9
LAT=-66.0	U≠	7.287 / 18.3	V =	9.522 / 12.1	W=	.016417 / 11.7	ŤΞ	.383 / 18.1
LAT=-60.0	U=	6.901 / 18.8	V =	8.794 / 12.4	W =	.014825 / 11.6	T=	.587 / 18.6
LAT=-54.0	U=	7.565 / 19.4	V=	8.684 / 13.1	W =	.009983 / 11.0	T=	.967 / 19.0
LAT = -48.0	U=	9.159 / 20.€	V =	9.923 / 14 1	w=	.004225 / 6.3	T =	1.952 / 18.6
LAT=-42.0	Ū=	13.221 / 21.1	v =	13.460 / 15.0	₩=	.013557 / 1.8	T=	3.078 / 18.6
LAT=-36.0	Ū=	18.800 / 21.3	v =	19.655 / 15.6	W=	.025096 / 1.2	T=	3.958 / 18.7
LAT=-30.0	Ū≠	23.033 / 21.4	v =	27.142 / 15.9	W=	.029348 / 1.1	T =	4.210 / 18.7
LAT=-24.0	Ū=	25.105 / 21.5	v =	34.098 / 16.1	W≔	.017151 / 1.3	T =	2.781 / 18.7
LAT=-18.0	Ų=	22.604 / 21.6	V =	37.409 / 16.2	W =	.017939 / 12.2	T =	.941 / 6.6
LAT=-12.0	U =	15.868 / 21.7	V =	32.830 / 16.2	W=	.067128 / 12.6	T =	6.096 / 6.7
LAT= -6.0	U =	8.675 / 21.9	V =	19.522 / 16.2	W=	.111530 / 12.6	T =	10.722 / 6.7
LAT= 0.0	U =	5.622 / 22.2	V =	.652 / 11.7	W=	.129453 / 12.6	T =	12.604 / 6.7
LAT= 6.0	U=	8.679 / 21.9	V =	19.035 / 4.4	W=	.110452 / 12.6	T =	10.677 / 6.7
LAT= 12.0	U=	15.817 / 21.7	V =	32.272 / 4.4	₩=	.064980 / 12.6	T =	6.015 / 6.7
LAT= 18.0	U≈	22.439 / 21.6	V =	36.737 / 4.3	W≃	.014699 12.3	T≃	.831 / 6.7
LAT= 24.0	U =	24.773 / 21.6	V ≃	33.228 / 4.3	W =	.021228 / 1.0	₹ =	2.883 / 18.7
LAT= 30.0	U =	22.474 / 21.6	V =	26.033 / 4.3	W =	.034388 / .9	T =	4.289 / 18.7
LAT= 36.0	U≖	17.939 / 21.6	V =	18.213 / 4.1	W =	.030925 / 1.0	T =	3.995 / 18.7
LAT= 42.0	U =	12.064 / 21.5	V =	11.460 / 3.8	W =	.019989 / 1.2	۳ =	2.919 / 18.7
LAT= 48.0	U=	7.468 / 21.3	V =	7.121 / 3.2	W =	.008051 / 1.9	T =	1.690 / 18.8
LAT= 54.0	Ų =	4.706 / 20.7	V =	5.061 / 2.1	W =	.003153 / 9.3	T≖	.694 / 19.0
LAT= 60.0	U=	3.711 / 19.5	V =	4.606 / 1.0	b. =	.007662 / 11.3	T⇒	.143 / 22.5
LAT= 66.0	U =	3.832 / 18.6	V =	4.907 / .4	₩÷	.009528 / 11.7	T =	.260 / 4.8
LAT= 72.0	U =	4.412 / 18.2	V =	5.486 / .1	W=	.008982 / 11.9	Ţ=	.299 / 5.9
LAT= 78.0	U=	5.248 / 18.1	V=	6.099 / 24.0	₩ ==	.006887 / 11.9	T =	.278 / 6.0
ER1- 70.0	-	0.210 /						

Table B2. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km at the December Solstice (Contd)

Z= 81.010	KM							
147- 79 0	U=	0 220 / 17 9	v	10 007 / 44 0	L1 =	040593 / 11 0	•-	246 / 5.5
LAT=-78.0	U≡	9.339 / 17.8 8.285 / 17.8	V= V=	10.237 / 11.9 9.570 / 11.9	₩= ₩=	.010583 / 11.9 .013932 / 12.1	T=	.346 / 5.6 .437 / 6.3
LAT=-66.0	U=	6.790 / 17.9	٧-	8.950 / 12.0	₩≖	.015939 / 12.5	T=	.527 / 9.1
LAT=-60.0	U=	7.027 / 17.6	V=	8.871 / 12.2	W=	.016189 / 13.2	T=	.790 / 10.6
LAT=-54.0	U=	9.636 / 17.2	V =	9.826 / 12.5	W=	.015632 / 14.5	T=	1.194 / 11.6
LAT=-48.0	U=	12.232 / 17.1	V×	12.637 / 12.9	W=	.019914 / 16.5	T =	2.565 / 12.9
LAT=-42.0	U=	17.943 / 16.9	V =	18.061 / 13.2	W=	.029362 / 17.9	T=	4.190 / 13.3
LAT=-36.0	U≠	26.099 / 16.9	٧×	26.467 / 13.3	W =	.039305 / 18.6	T=	5.460 / 13.4
LAT=-30.0	U=	31.887 / 16.8	V =	36.303 / 13.4	W =	.042032 / 18.8	T=	5.846 / 13.5
LAT=-24.0	U=	34.717 / 16.8	V =	45.358 / 13.5	₩=	.027567 / 18.5	Ţ=	3.866 / 13.4
LAT=-18.0	U≖	31.275 / 16.8	V =	49.628 / 13.5	W=	.015158 / 9.8	Ţ=	1.407 / 2.7
LAT=-12.0	U≠ U≠	21.918 / 16.8	V= V=	43.473 / 13.5	W=	.068122 / 8.1	T= T=	8.596 / 1.9
LAT= -6.0 LAT= 0.0	U=	11.886 / 16.7 7.557 / 16.7	V=	25.882 / 13.5 .538 / 11.7	M=	.117107 / 8.0 .137139 / 7.9	T=	15.076 / 1.9 17.727 / 1.8
LAT= 6.0	U=	11.835 / 16.7	V=	24.898 / 1.6	W=	.116744 / 8.0	T=	15.051 / 1.8
LAT= 12.0	Ų≠	21.774 / 16.8	٧×	42.385 / 1.6	W=	.067321 / 8.1	7=	8.544 / 1.9
LAT= 18.0	Ŭ=	30.997 / 16.8	V=	49.366 / 1.6	W=	.013293 / 9.5	Ť=	1.311 / 2.4
LAT= 24.0	U=	34.291 / 16.8	V =	43.870 / 1.5	W=	.028211 / 18.9	T=	3.926 / 13.5
LAT= 30.0	∪ =	31.169 / 16.8	V =	34.553 / 1.5	W=	.043211 / 19.1	T=	5.927 / 13.6
LAT= 36.0	U=	24.945 / 16.8	V=	24.414 / 1.5	W=	.040683 / 19.0	T =	5.576 / 13.5
LAT= 42.0	U=	16.871 / 16.8	V =	15.605 / 1.4	Ma	.030195 / 18.6	T=	4.152 / 13.4
LAT= 48.0	U=	10.506 / 16.9	V =	9.820 / 1.2	W=	.018907 / 17.7	T=	2.545 / 13.0
LAT= 54.0	U÷	6.533 / 17.1	V =	6.700 / .9	W=	.011787 / 15.9	T=	1.319 / 12.1
LA1= 60.0	U=	4.924 / 17.3	V=	5.401 / .5	W=	.010018 / 14.0	T=	.765 / 9.7
LAT= 66.0	U=	4.356 / 17.6	V=	5.147 / .2	W=	.009481 / 12.9	T=	.643 / 7.7
LAT= 72.0	U≖	4.289 / 17.9	V=	5.433 / 0.0	W=	.008024 / 12.5	T=	.490 / 7.2
LAT= 78.0	U=	4.989 / 17.9	V =	5.948 / 23.9	We	.005965 / 12.3	T=	.383 / 6.7
Z= 87.062	KM							
				2 422 / 44 2			_	
LAT=-78.0	U= U=	6.852 / 17.8	V =	8.438 / 11.7	W=	.010731 / 12.0	Ţ#	.873 / 6.4
LAT=-72.0 LAT=-66.0	U=	5.437 / 17.7 4.651 / 17.0	V = V =	7.454 / 11.6 6.362 / 11.4	₩=	.014821 / 12.0 .018390 / 12.1	T=	1.251 / 6.5
LAT=-60.0	U=	5.029 / 15.5	V =	5.509 / 10.5	₩=	.022494 / 12.2	T=	1.686 / 6.4 2.319 / 6.4
LAT=-54.0	U=	7.802 / 14.0	V=	5.699 / 8.8	W=	.027866 / 12.3	Ť=	3.256 / 6.5
LAT=-48.0	u=	11.565 / 12.7	V =	8.685 / 6.9	w=	.038671 / 12.5	T=	4.709 / 7.0
LAT=-42.0	Ūπ	19.117 / 12.3	٧×	15.351 / 5.8	W=	.051261 / 12.6	T=	6.645 / 7.2
LAT=-36.0	U=	29.158 / 12.2	V=	25.633 / 5.4	W=	.061046 / 12.7	T=	8.337 / 7.2
LAT=-30.0	U=	36.426 / 12.1	V =	37.571 / 5.2	W=	.062216 / 12.7	T=	8.581 / 7.2
LAT=-24.0	U=	40.150 / 12.1	٧=	48.512 / 5.1	w =	.043418 / 12.7	T=	5.861 / 7.2
LAT=-18.0	U =	36.541 / 12.1	V =	53.920 / 5.1	₩=	.003429 / 3.3	T =	.956 / 20.3
LAT=-12.0	U=	26.106 / 12.0	V =	47.535 / 5.0	W =	.065883 / 1.0	T =	10.284 / 19.4
LAT= -6.0	U=	14.824 / 11.9	V =	28.179 / 5.0	W=	.122238 / .9	T =	18.652 / 19.4
LAT= 0.0	U=	9.960 / 11.7	V =	.198 / 12.4	W=	.145341 / .9	T=	22.079 / 19.4
LAT= 6.0	U=	14.846 / 11.9	V =	28.316 / 17.0	W=	.122422 / .9	T=	18.663 / 19.4
LAT= 12.0	U=	26.135 / 12.0	V =	47.695 / 17.0	₩≖	.066390 / 1.0	T=	10.328 / 19.4
LAT= 18.0	U= U=	36.561 / 12.1 40.207 / 12.1	V = V =	54.124 / 17.0 48.706 / 17.0	W=	.004134 / 2.6	T#	1.046 / 20.1 5.687 / 7.2
LAT= 24.0	U=	36.439 / 12.1	V = V =	37.800 / 17.1	W=	.041677 / 12.7 .059595 / 12.7	T=	8.307 / 7.3
LAT= 36.0	U=	29.036 / 12.1	V =	25.921 / 17.2	W=	.057404 / 12.7	Tæ	7.928 / 7.3
LAT= 42.0	U=	19.381 / 12.2	V =	15.434 / 17.4	W=	.046058 / 12.7	T=	6.195 / 7.2
LAT= 48.0	U≃	11.543 / 12.4	V =	8.391 / 18.0	W=	.032636 / 12.6	Ť=	4.174 / 7.1
LAT= 54.0	ũ≃	6.373 / 12.9	V =	4.636 / 19.5	W =	.021715 / 12.5	T=	2.548 / 7.0
LAT= 60.0	Ü=	3.945 / 14.6	٧×	3.632 / 21.6	W=	.015754 / 12.3	T+	1.762 / 6.7
LAT= 66.0	U=	3.477 / 16.3	V =	4.006 / 23.0	W=	.011322 / 12.2	T=	1.172 / 6.4
LAT= 72.0	U =	3.664 / 17.2	V =	4.677 / 23.6	W=	.007642 / 12.2	T=	.653 / 6.4
LAY= 78.0	U=	4.462 / 17.6	V =	5.327 / 23.8	M=	.004910 / 12.2	T=	.396 / 6.3

Table B2. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km at the December Solstice (Contd)

Z= 93.363	KM							
LAT=-78.0	U=	5.540 / 17.0	٧=	6.217 / 11.7	W=	.010728 / 11.9	T=	.904 / 5.5
LAT=-72.0	U=	4.280 / 16.5	V=	5.310 / 11.5	W=	.014254 / 11.8	T=	1.185 / 5.4
LAT=-66.0	Ų=	1.323 / 18.3	V=	3.874 / 11.3	W=	.018413 / 11.4	T=	1.519 / 5.7
LAT=-60.0	U=	1.129 / 6.8	V =	2.016 / 10.2	W=	.021862 / 10.7	T =	2.085 / 4.4
LAT=-54.0 LAT=-48.0	U= U=	4.833 / 8.3 12.047 / 7.1	V≃ V=	2.048 / 3.2 7.166 / 1.5	W=	.026555 / 9.7 .037429 / 9.1	T= T=	3.419 / 3.0 4.693 / 2.5
LAT=-42.0	U=	21.468 / 7.0	V=	15.665 / 1.1	W=	.051802 / 8.6	T=	6.912 / 2.2
LAT=-36.0	Ŭ=	31.974 / 7.0	V=	27.833 / 1.0	W=	.064566 / 8.3	T=	9.272 / 2.0
LAT=-30.0	U=	40.440 / 7.0	V =	41.365 / 1.0	W=	.067030 / 8.2	T=	9.634 / 1.9
LAT=-24.0	U=	44.706 / 7.0	V =	53.663 / .9	₩≠	.046076 / 8.4	T≠	6.493 / 2.0
LAT=-18.0	U =	40.679 / 7.0	V =	59.753 / .9	M =	.011361 / 16.8	T=	1.682 / 11.9
LAT=-12.0	U=	29.267 / 7.0	V = V =	52.617 / .9	W≈	.082511 / 19.3	T= T=	12.621 / 13.3
LAT= -6.0 LAT= 0.0	U= U=	16.959 / 6.9 11.627 / 6.9	V=	31.082 / .9 .515 / 9.8	W=	.148639 / 19.4 .175831 / 19.5	T=	22.544 / 13.4 26.603 / 13.4
LAT= 6.0	U=	17.003 / 6.9	V=	31.799 / 12.9	W=	.148527 / 19.4	T=	22.482 / 13.4
LAT= 12.0	Ü=	29.373 / 6.9	٧=	53.354 / 12.9	W=	.082458 / 19.3	Ť≖	12.528 / 13.3
LAT= 18.0	Ū=	40.867 / 6.9	V=	60.517 / 12.9	W=	.011240 / 16.9	T=	1.603 / 11.8
LAT= 24.0	U≖	44.936 / 6.9	V =	54.436 / 12.9	W=	.045067 / 8.3	T=	6.565 / 2.0
LAT= 30.0	U≠	40.775 / 6.9	V =	42.116 / 12.9	W×	.065270 / 8.1	T =	9.592 / 1.8
LAT= 36.0	U=	32.473 / 6.9	V =	28.527 / 12.9	W=	.061831 / 8.0	Ţ=	9.019 / 1.7
LAT= 42.0	U=	21.464 / 6.9	٧×	16.367 / 12.9	W=	.047590 / 8.1	T=	6.839 / 1.7
LAT= 48.0 LAT= 54.0	U= U=	12.243 / 7.0 5.641 / 7.0	V = V =	7.828 / 13.0	₩=	.031237 / 8.3 .018262 / 8.7	T= T=	4.325 / 1.6 2.291 / 1.6
LAT= 60.0	U≖	1.431 / 9.3	Λ= Λ=	2.473 / 13.6 .876 / 22.3	₩≖	.018262 / 8.7 .011374 / 9.4	T=	1.320 / 1.6
LAT= 66.0	U=	1.479 / 16.7	V=	2.569 / 23.9	w=	.007438 / 10.2	T=	.647 / 1.6
LAT= 72.0	U=	2.225 / 18.9	V=	3.655 / 24.0	₩×	.005312 / 10.9	T=	.150 / .4
LAT= 78.0	U=	3.255 / 18.5	٧×	4.390 / 23.9	₩≖	.003534 / 11.3	T=	.046 / 19.5
Z= 96.638	KM							
LAT=-78.0	U≖	1.975 / 17.7	V =	4.098 / 11.5	W=	.011134 / 12.5	T=	1.691 / 6.3
LAT=-72.0	U≖	.480 / 22.6	∀ ≠	2.793 / 11.8	W=	.013691 / 12.4	T=	2.041 / 6.2
LAT=-66.0	U≖	2.331 / .3	V =	1.453 / 13.7	W=	.015781 / 11.4	T≠	2.586 / 5.3
LAT=-60.0	U=	3.136 / 2.2	V =	1.651 / 19.3	W=	.016026 / 9.9	T=	2.877 / 3.7
LAT=-54.0	U=	5.338 / 4.7	V =	4.486 / 21.2	W=	.018458 / 7.6	Ţ=	3.769 / 1.5
LAT=-48.0 LAT=-42.0	U= U=	14.255 / 4.0 24.399 / 3.9	V = V =	9.855 / 2 1.6 18.65 0 / 2 1.6	₩= ₩=	.027410 / 6.1 .043858 / 5.2	T=	4.351 / .1 6.608 / 23.2
LAT=-36.0	U=	34.766 / 4.0	V =	31.339 / 21.6	w= W=	.060902 / 4.8	T=	9.417 / 22.9
LAT=-30.0	U=	43.726 / 4.0	V=	45.431 / 21.6	W=	.064571 / 4.7	T=	9.894 / 22.8
LAT=-24	Ü=	48.126 / 4.0	v =	58.230 / 21.6	W=	.041641 / 5.0	T=	6.545 / 23.0
LAT=-18.0	υ =	43.570 / 3.9	٧×	64.485 / 21.6	W=	.022140 / 14.3	T=	2.543 / 8.4
LAT=-12.0	U=	31.188 / 3.9	V ≠	56.801 / 21.6	W =	.103983 / 15.7	T =	14.378 / 9.9
LAT= -6.0	U=	17.883 / 4.0	٧=	33.924 / 21.5	W=	.178839 / 15.8	T =	25.210 / 10.1
LAT= 0.0	U=	12.110 / 4.0	V =	.668 / 20.0	W=	.209786 / 15.8	T=	29.696 / 10.1
LAT= 6.0	U=	17.868 / 4.0	V =	32.695 / 9.6	W=	.179115 / 15.8	T=	25.300 / 10.1
LAT= 12.0	U= U=	31.165 / 4.0 43.551 / 4.0	V = V =	55.579 / 9.6 63.279 / 9.6	W=	.104150 / 15.6	T= T=	14.491 / 10.0 2.525 / 8.7
LAT= 18.0 LAT= 24.0	U≖	43.551 / 4.0 47.944 / 4.0	V = V =	63.279 / 9.6 57.037 / 9.6	W=	.021907 / 14.2 .042878 / 4.9	Ta	2.525 / 8.7 6.498 / 22.6
LAT= 24.0	U=	43.544 / 4.0	V =	44.265 / 9.6	W=	.066885 / 4.5	T=	9.957 / 22.4
LAT= 36.0	U=	34.745 / 4.0	V =	30.215 / 9.6	W=	.064266 / 4.4	Ť=	9.543 / 22.3
LAT= 42.0	U=	23.108 / 4.0	V=	17.708 / 9.5	W=	.049080 / 4.4	T=	7.354 / 22.1
LAT= 48.0	υ=	13.490 / 4.0	V =	9.020 / 9.4	W=	.031108 / 4.4	T=	4.780 / 21.9
LAT = 54.0	Ű≖	6.793 / 3.9	V =	3.712 / 8.8	W=	.016487 / 4.6	T=	2.726 / 21.4
LAT= 60.0	U≖	2.293 / 3.1	V =	1.255 / 5.7	W=	.008028 / 5.2	T=	1.564 / 21.0
	11-	200 / 21 5	V =	1.617 / 1.2	₩±	.003758 / 6.8	T=	.929 / 20.1
LAT= 66.0	U≠	.793 / 21.5						
	U= U=	1.340 / 19.1	V= V=	2.389 / .2 2.907 / 23.9	W =	.003/36 / 0.6	T=	.685 / 19.1 .473 / 18.5

Table B2. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78° S to 78° N in 6° Increments, for Altitudes From Sea Level to 400 km at the December Solstice (Contd)

,								
Z= 100.017	KM							
LAT=-78.0	U=	6.035 / 18.8	V =	8.507 / 11.9	W=	.014686 / 12.7	T=	.807 / 15.3
LAT=-72.0	U=	4.665 / 20.2	V=	7.212 / 12.2	w=	.017935 / 12.7	T=	1.430 / 16.0
LAT=-66.0	ü=	5.191 / 20.1	V =	6.237 / 12.8	W=	.017228 / 11.8	T≖	2.124 / 18.1
LAT=-60.0	U=	6.022 / 20.4	V≖	5.906 / 13.8	W=	.013955 / 10.5	T=	3.522 / 19.0
LAT=-54.0	U≠	7.707 / 21.1	V =	6.977 / 15.3	W=	.011598 / 7.2	T≃	5.569 / 19.4
LAT=-48.0	U≖	14.214 / 23.5	V =	10.920 / 16.7	W =	.018825 / 4.1	T =	8.276 / 18.9
LAT=-42.0	U≖	24.154 / 0.0	∨ ≠	19.019 / 17.5	W=	.036943 / 2.9	Ť=	11.474 / 18.9
LAT=-36.0	U=	34.855 / 1	V =	31.542 / 17.9	W=	.055677 / 2.6	T =	14.229 / 19.2
LAT=-30.0	U=	44.188 / .2	V =	45.800 / 18.1	W=	.059382 / 2.5	T=	14.840 / 19.1
LAT=-24.0	U=	48.933 / .2	ν=	58.912 / 18.2	W=	.033891 / 3.0	7 = T =	11.137 / 18.9
LAT=-18.0	U= U=	44.449 / .2 31.739 / .2	V =	65.391 / 18.2 57.642 / 18.2	W=	.034591 / 13.0	T=	2.517 / 15.7 12.217 / 8.4
LAT=-12.0 LAT= -6.0	U=	17.975 / .2	V = V =	34.201 / 18.0	W= W=	.125629 / 13.7 .207528 / 13.8	T=	12.217 / 8.4 24.081 / 8.0
LAT= 0.0	U=	12.053 / .4	V =	3.526 / 12.1	W=	.241277 / 13.8	T=	29.208 / 8.0
LAT= 6.0	U=	18.109 / .6	V=	34.688 / 6.7	W=	,207673 / 13.8	T=	24.791 / 7.9
LAT= 12.0	Ū≠	31.978 / .6	v=	58.076 / 6.6	W =	.125151 / 13.6	T=	13.470 / 8.0
LAT= 18.0	ü=	44.768 / .5	V =	65.801 / 6.5	W=	.032838 / 12.9	T=	.989 / 11.0
LAT= 24.0	Ū=	49.203 / .5	V =	59.146 / 6.4	W=	.038581 / 2.8	T=	8.649 / 19.5
LAT= 30.0	U≠	44.536 / .5	V =	45.872 / 6.4	W =	.067349 / 2.3	T #	12.217 / 19.6
LAT= 36.0	U≖	35.395 / .4	V =	31.449 / 6.3	W =	.067195 / 2.2	T=	11.594 / 19.6
LAT= 42.0	U=	23.488 / .3	V =	18.797 / 6.1	W=	.053075 / 2.2	T=	8.951 / 19.6
LAT= 48.0	U=	13.838 / .1	V =	10.214 / 5.8	W=	.035092 / 2.1	Ť=	5.902 / 19.6
LAT= 54.0	U=	7.398 / 23.7	V =	5.204 / 5.2	W=	.019871 / 2.0	T=	3.387 / 19.5
LAT = 50.0	U=	3.691 / 23.0	V =	2.752 / 3.9	W=	.010352 / 2.0	Ţ=	2.024 / 19.2
LAT= 66.0 LAT= 72.0	U= U=	2.000 / 21.5 1.583 / 19.7	V≠ V=	1.996 / 2.0 2.107 / .6	W=	.004424 / 2.4 .001617 / 5.6	T= T=	1.207 / 18.9 .774 / 18.6
LAT = 72.0	U=	1.905 / 18.5	V =	2.107 / .6 2.377 / .1	W=	.001617 / 5.6 .001636 / 10.2	T=	.458 / 18.3
LAI- 70.0	0-	1.303 / .073	• -	2.577 / .1	n -	.001030 / 1012	-	.430 / 1813
Z= 103.521	KM							
LAT=-78.0	U≠	20.091 / 18.1	V =	21.843 / 11.4	W=	.021624 / 12.4	T =	7.407 / 16.3
LAT=-72.0	U=	18.215 / 18.9	V =	19.946 / 11.7	W=	.028068 / 12.5	T =	9.725 / 16.3
LAT=-66.0	U=	15.383 / 18.9	V =	18.285 / 12.0	W=	.028120 / 12.3	T =	11.285 / 16.8
LAT = -60.0	U=	15.840 / 18.7	V =	17.684 / 12.3	W =	.023430 / 12.0	T =	12.693 / 17.1
LAT=-54.0	U=	20.248 / 18.5	V =	18.630 / 12.8	W=	.012944 / 11.6	T =	14.052 / 17.4
LAT=-48.0	U=	23.158 / 20.1	V =	22.106 / 13.5	W =	.003240 / 17.4	T=	16.730 / 16.8
LAT=-42.0	U=	31.665 / 20.8	V =	29.350 / 14.2	W=	.019755 / 22.9	Ţ=	19.696 / 16.7
LAT=-36.0	U≃	42.411 / 20.9	V =	41.178 / 14.8	W=	.039043 / 23.4	T =	21.776 / 16.8
LAT=-30.0	U=	50.781 / 21.2 54.638 / 21.3	V = V =	55.326 / 15.1 68.251 / 15.3	W = W =	.042128 / 23.5	T= T=	21.778 / 16.7 17.244 / 16.8
LAT=-24.0 LAT=-18.0	U=	49.177 / 21.3	V=	74.283 / 15.4	W =	.015797 / 22.9 .051846 / 12.0	T=	6.723 / 17.4
LAT=-12.0	U=	34.960 / 21.3	V =	65.493 / 15.3	W=	.144670 / 11.9	T=	B.115 / 3.5
LAT= -6.0	U≖	19.700 / 21.3	V =	40.493 / 15.0	M=	.227379 / 11.8	T=	20.903 / 4.0
LAT= 0.0	Ŭ=	12.487 / 21.6	v =	9.273 / 11.0	W=	.260725 / 11.8	Ť=	26.601 / 4.1
LAT= 6.0	Ŭ=	17.905 / 22.0	v =	35.285 / 4.8	W =	.225189 / 11.8	T=	22.184 / 4.0
LAT= 12.0	U≖	31.937 / 22.0	V=	60.664 / 4.3	W≈	.139537 / 11.8	T=	10.511 / 3.7
LAT= 18.0	U=	45.431 / 21.9	V =	70.347 / 4.1	W=	.042966 / 11.9	T =	3.547 / 18.5
LAT= 24.0	U=	50.996 / 21.8	V =	65.004 / 3.9	W =	.029149 / 23.6	T =	12.960 / 16.9
LAT= 30.0	U=	47.424 / 21.7	V =	52.391 / 3.8	W =	.060681 / 23.7	T =	16.702 / 16.8
LAT= 36.0	U =	39.497 / 21.6	V =	38.119 / 3.5	W =	.062542 / 23.8	Ţ=	16.022 / 16.8
LAT= 42.0	U=	28.292 / 21.3	V =	25.172 / 3.2	W =	.050258 / 23.8	Ţ=	13.052 / 16.9
LAT= 48.0	U=	18.973 / 20.8	V =	16.132 / 2.7	W=	.034120 / 23.9	T=	9.439 / 17.1
LAT = 54.0	υ= u=	12.415 / 20.3 8.478 / 19.5	V = V =	10.332 / 2.0 6.786 / 1.5	₩ =	.020866 / 23.9	T= T=	6.146 / 17.2
LAT= 60.0 LAT= 66.0	u= U=	5.898 / 18.9	V =	6.786 / 1.5 4.850 / 1.0	₩= W=	.012798 / 23.9 .007032 / 0.0	T=	3.228 / 17.4 1.670 / 17.7
LAT= 72.0	U≠	3.566 / 19.2	V =	3.888 / .5	W=	.002603 / 1.1	Te	1.301 / 17.6
LAT= 78.0	U=	3.357 / 18.7	V =	3.650 / .1	₩=	.000501 / 6.7	T=	.755 / 17.4
CA1- 70.0	-	5.55. / .5./	• ~	2.030 / .1	~ ~		, -	-, -, -, -, -, -, -, -, -, -, -, -, -, -

Table B2. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78° S to 78° N in 6° Increments, for Altitudes From Sea Level to 400 km at the December Solstice (Contd)

Z= 107.177	KM							
2- 107.177	*****							
LAT=-78.0	U=	29.830 / 18.1	V =	30.168 / 11.3	W=	.026669 / 12.0	Ťæ	3.900 / 15.8
LAT=-72.0	U=	28.829 / 18.7	V=	28.369 / 11.6	W =	.037657 / 12.1	T=	6.391 / 15.9
LAT=-66.0	U=	24.689 / 18.8	V=	26.608 / 11.9	W=	.043855 / 12.2	T=	8.429 / 16.1
LAT=-60.0	Ü=	23.799 / 18.4	v=	25.996 / 12.1	W=	.042811 / 12.5	, ,	10.142 / 16.5
LAT=-54.0	U=	28.087 / 17.5	٧×	27.065 / 12.2	W=	.034504 / 13.2	T =	11.770 / 16.9
LAT=-48.0	U=	30.259 / 18.6	V=	30.852 / 12.5	W=	.036395 / 14.5	Ť=	13.280 / 15.9
LAT=-42.0	U≠	37.687 / 19.0	V =	38.310 / 12.8	W=	.039087 / 16.3	T =	15.848 / 15.4
LAT=-36.0	U=	47.746 / 18.8	V≠	50.038 / 13.0	W=	.046524 / 17.9	T=	17.795 / 15.4
LAT=-30.0	U=	54.522 / 18.9	V =	63.694 / 13.2	W=	.049139 / 18.1	T≖	17.633 / 15.3
LAT=-24.0	U≈	56.980 / 19.0	V×	75.845 / 13.3	W=	.036921 / 16.1	T=	12.836 / 15.4
LAT=-18.0	U=	50.467 / 19.0	V≠	80.909 / 13.3	W=	.065555 / 11.4	T =	2.704 / 18.7
LAT=-12.0	U=	35.311 / 19.0	V =	70.811 / 13.3	W =	.147803 / 10.2	T =	14.158 / 2.0
LAT= -6.0	U=	19.230 / 19.1	٧×	44.173 / 13.1	W =	.224654 / 9.8	T =	27.595 / 2.2
LAT= 0.0	U=	11.124 / 19.2	V =	7.591 / 10.7	W=	.254529 / 9.7	T =	33.172 / 2.3
LAT= 6.0	U=	15.625 / 19.4	٧×	33.746 / 2.1	W=	218445 / 9.8	7=	27.873 / 2.2
LAT= 12.0	U=	29.168 / 19.3	= ۷	61.458 / 1.8	W=	134894 / 10.0	T =	14.749 / 1.9
LAT= 18.0	U= U=	42.874 / 19.3	۷≠	73.303 / 1.7	W =	.044266 / 11.2	T =	3.038 / 20.0
LAT= 24.0	U=	49.636 / 19.3	V۶	69.905 / 1.6	W=	.035684 / 19.2	Ţ=	11.946 / 15.7
LAT = 36.0	U=	47.737 / 19.2 41.805 / 19.2	V = V =	58.632 / 1.5 45.054 / 1.4	W =	.061434 / 20.3	T=	16.339 / 15.4
LAT= 42.0	U=	32.324 / 19.0	V =	32.081 / 1.2	W≃ ₩=	.060327 / 20.5 .046284 / 20.6	T =	16.056 / 15.5
LAT= 48.0	U=	23.907 / 18.9	٧×	22.532 / 1.0	w=		T=	13.403 / 15.8
LAT= 54.0	U=	17.499 / 18.7	V=	15.840 / .8	W=	.029982 / 20.7	T=	10.161 / 16.2
LAT= 60.0	u=	13.185 / 18.4	V =	11.253 / .5	W=	.017917 / 20.9 .011921 / 21.5	Te	7.295 / 16.5 4.922 / 16.8
LAT= 66.0	U=	9.965 / 18.2	V=	8.373 / .3	W=	.007566 / 22.2	T =	3.134 / 17.1
LAT= 72.0	U=	7.027 / 18.1	٧×	6.523 / 24.0	W=	.003771 / 23.5	T=	1.794 / 17.8
LAT= 78.0	= آن	6.234 / 17.9	V =	5.614 / 23.8	W=	.001637 / .3	Ť=	.976 / 18.2
		. ,	-			, ,		7373 / 1372
Z= 111.019	KM							
70 4		20 500 / 10 1		/ / -			_	
LAT=-78.0	U=	32.668 / 18.1	V =	32.629 / 11.5	W =	.027317 / 11.9	7 =	3.354 / 5.4
LAT=-72.0	U= U=	32.196 / 18.5	V =	31.099 / 11.6	W=	.041997 / 11.9	Ţ=	3.934 / 5.8
LAT=-66.0	U=	29.946 / 18.6	V = V =	29.508 / 11.8 28.528 / 11.9	W=	.056640 / 12.2	1:	3.971 / 7.8
LAT=-54.0	U=	27.431 / 18.1 27.599 / 16.8	V= V≈		W =	.062732 / 12.6	T=	3.854 / 9.5
LAT=-48.0	U=	28.925 / 17.6	V=	28.732 / 11.7 31.281 / 11.5	W = W =	.061760 / 13.3	T = T =	3.796 / 11.6
LAT=-42.0	U≠	34.142 / 17.4	V =	37.213 / 11.3	w - W =	.038505 / 13.7 .091866 / 14.2	T=	8.338 / 9.8 12.244 / 9.7
LAT=-36.0	U≖	42.667 / 16.8	V =	47.053 / 11.0	M=	.100015 / 14.9	T =	12.244 / 9.7
LAT=-30.0	Ü≂	47.966 / 16.7	V =	58.678 / 10.9	W=	.102041 / 14.9	T =	14.911 / 9.9
LAT=-24.0	Ü=	49.631 / 16.6	V =	68.912 / 10.8	W=	.084221 / 14.2	T=	10.817 / 9.4
LAT=-18.0	Ü=	43.346 / 16.5	V =	72.480 / 10.7	W=	.065429 / 11.0	T=	4.164 / 3.6
LAT=-12.0	Ū=	29.235 / 16.5	v =	62.037 / 10.6	W=	.116991 / 7.8	ŤΞ	17.391 / 23.6
LAT= -6.0	U≠	14.522 / 16.4	v=	36.132 / 10.6	W=	.186885 / 6.9	T =	31.195 / 23.1
LAT= 0.0	Ų=	7.527 / 16.1	V =	.599 / .9	W =	.215894 / 6.7	T=	36.926 / 23.0
LAT= 6.0	U=	12.489 / 16.0	V =	37.321 / 22.7	W =	.182991 / 6.7	T=	31.319 / 22.9
LAT= 12.0	ı∵≃	25.882 / 16.1	V=	63.594 / 22.7	W=	.105941 / 7.2	T =	17.520 / 22.8
LAT= 18.0	U=	39.421 / 16.2	V =	74.577 / 22.7	W =	.034307 / 10.6	T =	2.284 / 21.2
LAT= 24.0	u=	46.318 / 15.3	V =	70.974 / 22.8	W=	.060110 / 15.9	T =	9.252 / 11.6
LAT= 30.0	U=	45.119 / 16.4	V =	60.144 / 22.9	W =	.081715 / 16.6	T =	13.574 / 11.6
LAT= 36.0	= L!	40.166 / 16.5	V =	47.298 / 23.0	W =	.077525 / 16.7	T =	12.894 / 11.8
LAT= 42.0	U=	32.149 / 16.7	V =	35.069 / 23.1	W =	.059295 / 16.7	T =	9.708 / 12.4
LAT= 48.0	U=	25.029 / 16.9	V =	26.192 / 23.3	W =	.039312 / 16.7	T =	6.940 / 13.6
LAT= 54.0	บ=	19.653 / 17.0	V =	20.124 / 23.3	w =	.023738 / 16.9	T=	5.800 / 15.1
	Ų≖	16.978 / 17.2	V =	15.891 / 23.3	W =	.013557 / 17.8	Ť≖	4.706 / 16.0
LAT = 60.0								
LAT# 66.0	U=	14.664 / 17.2	V =	13.143 / 23.3	W =	.007964 / 19.5	T=	3.837 / 17.0
LAT≠ 66.0 LAT≠ 72.0	U= U=	14.664 / 17.2 12.022 / 17.0	V =	13.143 / 23.3 11.261 / 23.2	W=	.007964 / 19.5 .005940 / 21.8	T=	3.837 / 17.0 3.086 / 18.3
LAT# 66.0	U=	14.664 / 17.2		13.143 / 23.3		.007964 / 19.5		3.837 / 17.0

Table B2. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78° S to 78° N in 6° Increments, for Altitudes From Sea Level to 400 km at the December Solstice (Contd)

C_a

								
Z= 115.091	KM							
LAT=-78.0	U=	28.933 / 18.2	٧×	28.606 / 11.8		CDE16E / 11 7	T=	7.522 / 4.8
LAT=-72.0	U=	28.749 / 18.5	٧×	27.445 / 11.9	₩= W=	.025165 / 11.7 .041232 / 11.8	T=	10.769 / 4.9
LAT=-66.0	U≖	28.144 / 18.6	V=	25.964 / 12.0	w=	.061112 / 12.1	T=	13.079 / 5.4
LAT=-60.0	U=	23.950 / 18.1	V =	24.246 / 11.9	W=	.072537 / 12.5	T=	13.371 / 5.9
LAT=-54.0	U=	19.387 / 16.2	٧×	22.693 / 11.5	₩-	.077327 / 13.1	Ť≖	11.940 / 6.6
LAT=-48.0	Ü=	20.257 / 16.7	V =	22.709 / 10.7	W=	.101559 / 12.9	T=	18.646 / 6.3
LAT=-42.0	U=	23.240 / 15.9	v =	25.750 / 9.8	W=	.122186 / 13.1	Τ=	22.873 / 6.3
LAT=-36.0	Ŭ≠	30.641 / 14.6	V =	32.837 / 9.0	w=	.134696 / 13.5	Τ±	23.581 / 6.6
LAT=-30.0	Ü=	35.841 / 14.3	V =	42.544 / 8.4	W=	.136847 / 13.4	Ť≖	24.617 / 6.5
LAT=-24.0	Ū=	38.100 / 14.0	V =	51 701 / 8.1	W=	.112519 / 13.1	T=	20.104 / 6.2
LAT=-18.0	Ū=	33.518 / 13.8	v =	55.443 / 7.8	W=	.060109 / 11.3	T =	9.357 / 4.5
LAT=+12.0	U=	22.456 / 13.5	V =	47.122 / 7.6	W=	.072127 / 5.6	T≠	11.804 / 21.7
LAT= -6.0	U=	11.067 / 12.8	V =	25.707 / 7.2	W=	.143221 / 4.1	T=	25.651 / 20.4
LAT= 0.0	U=	6.827 / 11.6	V =	7.486 / 22.7	w=	.176712 / 3.8	T≖	32.453 / 20.1
LAT= 6.0	U=	11.723 / 12.4	۷∍	36.775 / 20.5	W=	.148075 / 3.8	T=	27.969 / 20.0
LAT= 12.0	U≠	23.625 / 13.2	V =	58.341 / 20.3	W=	.074988 / 4.4	T =	15.221 / 20.2
LAT= 18.0	U=	35.544 / 13.5	V =	66.754 / 20.4	W=	.026144 / 11.2	T =	1.420 / .2
LAT= 24.0	U =	41.273 / 13.7	٧×	63.126 / 20.5	W=	.078332 / 14.1	T =	9.932 / 7.5
LAT= 30.0	U≐	40.063 / 13.9	V =	53.583 / 20.8	W =	.100804 / 14.4	T=	13.543 / 7.7
LAT= 36.0	U≠	35.816 / 14.3	V =	42.794 / 21.2	W=	.095720 / 14.5	T =	12.143 / 7.9
LAT= 42.0	U =	29.550 / 14.7	V =	33.758 / 21.7	W=	.074646 / 14.5	1 =	7.332 / 8.4
LAT= 48.0	U=	24.481 / 15.3	V =	28.264 / 22.2	W=	.051136 / 14.8	T=	3.653 / 10.9
LAT= 54.0	U=	21.492 / 16.0	V =	25.443 / 22.6	W=	.032256 / 15.6	Ţ≖	4.639 / 14.5
LAT= 60.0	U =	23.346 / 16.4	V =	23.807 / 22.8	₩=	.018383 / 16.9	Ţ≠	4.849 / 16.3
LAT= 66.0	U=	24.049 / 16.6	∨ =	23.141 / 22.9	M =	.012368 / 19.4	Ţ=	5.445 / 17.4
LAT= 72.0	U=	22.940 / 16.6	V =	23.040 / 23.0	M =	.013017 / 21.8	T.	6.021 / 18.1
LAT= 78.0	U=	23.383 / 16.8	V =	23.581 / 23.0	W =	.012144 / 22.8	Ť=	5.048 / 18.2
Z= 119.451	L/ M4							
2= 119.451	F411.							
LAT=-78.0	U=	22.000 / 18.3	V≖	21.881 / 12.2	₩≈	.023873 / 11.8	Ť=	8.438 / 4.3
LAT = -72.0	ŰĦ	21.788 / 18.4	V=	21.039 / 12.2	W×	.039909 / 11.9	T=	12.710 / 4.4
LAT = -66.0	Ū=	21.799 / 18.5	V =	19.698 / 12.2	W=	.061314 / 12.1	T=	16.801 / 4.8
LAT=-60.0	Ü=	16.692 / 18.1	V=	17.510 / 12.0	W=	.075338 / 12.4	T =	18 093 / 5.2
LAT 54.0	U≖	9.520 / 15.1	V =	14.611 / 11.3	W=	.083663 / 12.8	T=	16.927 / 5.8
LAT=-48.0	U=	10.121 / 15.4	V =	12.541 / 9.9	W =	.110517 / 12.2	T =	24.108 / 5.2
LAT = - 12.0	U =	12.580 / 13.6	V =	14.083 / 7.8	w =	.134799 / 12.0	T =	28.234 / 5.1
LAT=-36.0	U≠	21.494 / 11.8	V =	21.221 / 6.2	W =	.148858 / 12.1	T=	28.030 / 5.2
LAT=-30.0	U=	27.611 / 11.4	V =	31.222 / 5.4	W=	.152490 / 12.0	T =	28.992 / 5.1
LAT=-24.0	U =	30.929 / 11.2	V =	40.928 / 5.0	w =	.127078 / 12.0	T =	23.983 / 5.0
LAT=-18.0	U=	28.330 / 10.9	V =	46.110 / 4.8	W=	.062901 / 12.3	T =	11.354 / 4.6
LAT=-12.0	U =	20.592 / 10.4	۷∍	41.254 / 4.5	W =	.027940 / 22.9	Ť =	5.775 / 19.0
LAT= -6.0	U÷	12.577 / 9.4	V =	25.788 / 3.7	w =	.108600 / 23.5	T =	20.357 / 17.8
LAT= 0.0	U =	9.696 / 8.5	V =	10.954 / 23.0	W =	.145857 / 23.5	T≖	27.793 / 17.6
LAT= 6.0	U=	13.041 / 9.5	V =	27.871 / 18.9	W =	.120336 / 23.4	T=	24.437 / 17.6
LAT= 12.0	U =	21.731 / 10.5	V =	44.377 / 18.4	W =	.050346 / 22.9	T=	13.168 / 17.7
LAT# 18.0	U =	30.477 / 11.0	V =	50.910 / 18.4	W =	.034826 / 13.4	T =	.717 / 22.9
LAT = 24.0	U=	34.092 / 11.4	V =	47.536 / 18.8	W =	.091485 / 12.5	T≈	9.154 / 5.4
LAT= 30.0	L =	32.307 / 11.8	V =	40.834 / 19.4	₩=	.111363 / 12.5	Ĩ =	12.010 / 5.5
LAT = 36.0	U =	28.682 / 12.5	V =	34.935 / 20.3	W =	.103097 / 12.6	T =	10.184 / 5.7
LAT= 42.0	U=	24.535 / 13.5	V =	31.821 / 21.3	W=	.077596 / 12.9	T =	4.512 / 6.0
LAT= 48.0	U =	22.446 / 14.7	V =	31.985 / 22.2	W =	.049886 / 13.6	Ţ=	1.868 / 13.4
LAT= 54.0	U =	23.670 / 16.0	V =	33.853 / 22.7	W =	.030514 / 15.7	T =	6.090 / 15.0
LAT= 60.0	Ú ≠	31.820 / 16.6	V ≈	35.789 / 23.0	W =	.020689 / 18.8	T =	6.948 / 16.3
LAT= UU.U	≃ ب	30.635 / 10.8	V =	38.030 / 23.2	M =	.024450 / 21.4	T =	8.065 / 17.1
1 1 2 7 7 4		22 662 / 16 0		30 405 / 99 9	141	000047 / 00 7		
LAT= 72.0 LAT= 78.0	≖ ≎∪≖	37.657 / 16.9 40.471 / 17.2	V = √ =	40.485 / 23.3 43.294 / 23.4	W=	.029947 / 22.7 .027531 / 23.2	T= T=	9.200 / 17.6 7.551 / 17.7

Table B2. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km at the December Solstice (Contd)

Z= 124.175	KM							
LAT=-78.0	U=	16.412 / 18.	2 V≖	16.908 / 12.4	W=	.027486 / 12.3	T=	6.421 / 3.6
LAT=-72.0	U=	15.849 / 18.		16.184 / 12.3	W=	.043664 / 12.3	Ť=	10.037 / 3.9
LAT=-66.0	Ű⇒	15.712 / 18.		15.016 / 12.1	W=	.064313 / 12.3	T=	14.101 / 4.2
LAT=-60.0	U=	10.260 / 17.	9 v≖	12.845 / 11.8	W=	.079485 / 12.5	T=	15.436 / 4.7
LAT=-54.0	υ=	3.517 / 11.	1 V=	9.574 / 11.1	W=	.090462 / 12.8	Ť=	14.562 / 5.4
LAT=-48.0	U≠	3.771 / 11.		6.699 / 8.9	W=	.114279 / 11.8	T =	21.139 / 4.5
LAT=-42.0	Uz	8.922 / 9.		8.376 / 5.3	W=	.138511 / 11.5	Ţ≈	24.683 / 4.2
LAT=-36.0	U=	20.156 / 8.		16.010 / 3.5	W=	.153772 / 11.5	T =	23.688 / 4.3
LAT=-30.0	U=	26.596 / 8.		26.013 / 2.9 35.562 / 2.6	W= W=	.158822 / 11.4	T= T=	24.604 / 4.1 19.932 / 4.1
LAT=-24.0	U≠	30.329 / 8. 28.894 / 7.		35.562 / 2.6 41.365 / 2.4	W=	.137146 / 11.6 .084978 / 12.9	T=	8.356 / 4.9
LAT=-12.0	U=	22.879 / 7.		39.018 / 2.1	W=	.063494 / 17.6	T=	7.546 / 13.9
LAT= -6.0	U=	16.148 / 6.		27.912 / 1.6	W=	.121846 / 20.1	T=	20.834 / 14.9
LAT= 0.0	ũ=	13.257 / 6.		13.178 / 23.4	W=	.155586 / 20.5	T=	27.869 / 15.1
LAT= 6.0	U≖	15.645 / 6.		15.483 / 18.2	W=	.131915 / 20.2	T =	25.232 / 15.2
LAT= 12.0	U=	21.618 / 7.	4 ∨=	25.931 / 17.0	W=	.074259 / 18.7	T =	15.532 / 15.2
LAT= 18.0	U≖	26.899 / 7.		29.774 / 17.1	W=	.063716 / 14.0	T =	4.314 / 15.2
LAT= 24.0	U=	27.277 / 8.		28.349 / 18.0	W=	.103069 / 12.1	T=	3.463 / 3.6
LAT= 30.0	U=	22.716 / 9.		26.371 / 19.4	W=	.116172 / 11.8	Ţ=	5.734 / 3.4
LAT= 36.0	U=	17.197 / 10.		27.913 / 21.0	W=	.102352 / 11.9	T= T=	4.049 / 3.2
LAT= 42.0 LAT= 48.0	U≈ U≖	14.834 / 12. 17.948 / 15.		33.241 / 22.1 39.485 / 22.7	W=	.070601 / 12.3 .039289 / 13.8	T=	1.901 / 18.7 6.382 / 16.2
LAT= 54.0	U=	26.549 / 17.		45.353 / 23.0	W=	.028701 / 17.7	Ť=	9.971 / 15.4
LAT= 60.0	U≠	41.046 / 17.		50.098 / 23.3	W=	.036926 / 21.4	T=	10.315 / 16.4
LAT= 66.0	U=	49.711 / 17.			W=	.051219 / 22.8	T=	11.133 / 17.1
LAT= 72.0	U=	52.909 / 17.			W=	.058984 / 23.6	T≖	12.131 / 17.4
LAT= 78.0	U≠	58.318 / 17.		64.166 / 23.9	W =	.051168 / 24.0	T≃	9.600 / 17.6
Z= 129.367	KM							
LAT=-78.0	U=	14.762 / 17.	8 v=	15.546 / 12.0	W=	.038916 / 12.4	T =	1.659 / .9
LAT=-72.0	Ű=	13.886 / 17.		14.811 / 11.9	W=	.057379 / 12.4	T=	3.041 / 2.4
LAT=-66.0	U=	13.377 / 17.		13.751 / 11.6	W=	.077375 / 12.3	T =	5.627 / 3.5
LAT=-60.0	U≃	8.015 / 17.		11.759 / 11.3	W=	.093726 / 12.4	T =	6.208 / 4.5
LAT=-54.0	U=	2.999 / 7.	6 V∗	8.741 / 10.5	W=	.107506 / 12.7	T=	5.653 / 6.3
LAT=-48.0	U=	3.151 / 7.		5.619 / 8.6	W =	.126226 / 11.7	T=	10.524 / 3.7
LAT=-42.0	U=	8.517 / 6.		6.169 / 4.1	W =	.148799 / 11.2	Ī×	13.164 / 3.2
LAT=-36.0	U=	19.154 / 6.		13.089 / 2.0	W=	.165099 / 11.2	T=	11.396 / 3.2
LAT=-30.0	U±	24.898 / 6.		22.282 / 1.3	W= W=	.170702 / 11.2	T = T =	12.270 / 2.9
LAT=-24.0	U≠ U=	28.468 / 6. 27.816 / 5.		31.265 / 1.0 37.235 / .9	w= W=	.155665 / 11.5 .125271 / 13.1	T=	8.556 / 3.2 3.433 / 10.0
LAT=-18.0 LAT=-12.0	U≖	22.972 / 5.		36.612 / .7	W=	.127760 / 15.8	T=	14.467 / 12.9
LAT= -6.0	U≠	17.298 / 5.		28.577 / .5	W=	.176397 / 17.5	T=	25.785 / 13.2
LAT= 0.0	U=	14.815 / 4.		15.787 / 23.8	W=	.205282 / 19.0	Ť=	31.725 / 13.4
LAT= 6.0	Ú≉	16.747 / 4.		6.115 / 20.3	W=	.183735 / 17.8	T=	29.577 / 13.5
LAT= 12.0	U≠	21.109 / 5.	2 V=	9.253 / 16.5	W=	.131718 / 16.6	T =	21.561 / 13.9
LAT= 18.0	Ŭ≖	24.247 / 5.		11.200 / 17.1	₩≖	.104956 / 14.1	T =	12.662 / 14.7
LAT= 24.0	U=	22.205 / 5.		13.277 / 19.5	₩≖	.117972 / 12.1	T=	7.284 / 16.2
LAT= 30.0	U=	14.911 / 6.	-	20.461 / 21.5	W=	.120276 / 11.5	T=	6.307 / 17.4
LAT= 36.0	U=	5.423 / 8.		30.582 / 22.5	₩=	.100774 / 11.5	T=	7.241 / 17.3
LAT= 42.0	U=	7.467 / 15.		41.217 / 23.0	₩≈	.062330 / 11.9	T= T=	11.138 / 16.7
LAT= 48.0 LAT= 54.0	U≈	19.296 / 17. 34.340 / 18.		50.481 / 23.2 58.376 / 23.4	W=	.025820 / 14.3 .032983 / 20.4	1 = T =	14.000 / 16.1 15.585 / 15.4
LAT= 60.0	U=	51.952 / 17.		64.789 / 23.5	w = W=	.065085 / 23.0	T=	14.542 / 16.3
LAT= 66.0	U=	63.105 / 17.		70.847 / 23.7	W=	.089077 / 23.9	T=	14.437 / 17.0
LAT= 72.0	U=	67.975 / 17.		77.104 / 24.0	W=	.099353 / .7	T=	14.788 / 17.4
LAT= 78.0	Ü=	75.531 / 18.		83.793 / .2	W=	.082011 / .9	T=	11.352 / 17.7

Table B2. Amplitude and Phase of Solar Diurnal Variations in Westerly. Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km at the December Solstice (Contd)

Z= 135.169 KM				
LAT=-78.0 U=	17.842 / 17.1	v= 18.486 / 11.3	w= .058774 / 12.2	T= 6.994 / 15.8
LAT=+72.0 U=	16.639 / 17.0	V= 17.566 / 11.2	W= .082771 / 12.3	T= 8.463 / 15.9
LAT=-66.0 U=	15.521 / 17.0	V= 16.382 / 11.0	W= .103400 / 12.2	T= 7.764 / 16.1
LAT=-60.0 U=	10.071 / 17.1	V= 14.367 / 10.8	W= .121529 / 12.3	T= 8.256 / 15.6
LAT=-54.0 U=	.881 / 23.0	V= 11.288 / 10.5	W= .137607 / 12.6	T= 10.305 / 14.8
LAT=-48.0 U=	.915 / 23.2	V= 7.353 / 9.9	W= .148247 / 11.6	T- 5.852 / 16.7
LAT=-42.0 U=	5.753 / 3.5	V= 2.325 / 7.3	W= .164756 / 11.1	T= 5.870 / 18.5
LAT=-36.0 U=	16.143 / 3.9	V= 6.437 / 23.8	W= .178986 / 11.1	T= 7.528 / 17.7
LAT=-30.0 U=	21.434 / 4.1	V= 14.957 / 23.1	W= .183704 / 11.1	T= 7.477 / 18.1
LAT=-24.0 U=	25.362 / 4.0	V= 23.596 / 22.9	W= .180982 / 11.6	T= 8.154 / 16.5
LAT=- 8.0 U=	26.156 / 3.8	V = 30.054 / 22.8	W= .185945 / 13.0	T= 14.040 / 14.1
LAT=-12.0 U=	22.789 / 3.7	V= 31.171 / 22.9	W= .220255 / 14.6	T= 23.855 / 13.0
LAT= -6.0 U=	18.530 / 3.4	V= 26.581 / 23.3	W= .273699 / 15.6	T= 33.942 / 12.6
LAT= 0.0 U=	16.953 / 2.9	V= 18.901 / .2	W= .300465 / 16.0	T= 39.448 / 12.6
LAT= 6.0 U=	19.071 / 2.8 22.865 / 2.8	V= 13.578 / 1.9 V= 13.018 / 3.0	W= .276414 / 15.9	T= 37.481 / 12.8
LAT= 12.0 U=	,		W= .215246 / 15.2 W= .158757 / 13.9	T= 30.756 / 13.4 T= 24.222 / 14.4
LAT= 18.0 U=				
LAT= 24.0 U=	22.739 / 2.5 16.054 / 1.5	V= 21.330 / 1.2 V= 31.199 / .3	w= .133275 / 12.4 w= .117220 / 11.5	T= 20.955 / 15.5 T= 20.087 / 16.1
LAT= 30.0 U=		V= 31.199 / .3 V= 42.291 / 23.9		T= 19.699 / 16.2
LAT: 36.0 U=	10.047 / 22.6 14.043 / 19.4	V= 42.291 / 23.9 V= 53.409 / 23.7	W= .092878 / 11.3 W= .052244 / 11.5	T= 19.899 / 16.2
	27.229 / 18.7		W= .032244 / 11.5 W= .039528 / 14.6	T= 22.689 / 15.8
		V= 63.184 / 23.7 V= 71.752 / 23.7	W= .039528 / 14.8 W= .043641 / 22.9	T= 22.157 / 15.4
LAT= 54.0 U=	45.382 / 18.7 63.812 / 18.0	V= 79.004 / 23.8	w= .043641 / 22.9 w= .102559 / .4	T= 19.233 / 16.2
LAT= 66.0 U=	76.429 / 17.8	V= 86.093 / 23.9	w= .140004 / .9	T= 17.766 / 17.0
LAT= 72.0 U=	82.550 / 18.0	V= 93.570 / .2	W= .153905 / 1.4	T= 17.174 / 17.5
LAT= 78.0 U=	91.855 / 18.2	V= 101.743 / .4	W= .122343 / 1.8	T= 12.908 / 17.8
LA12 /8.0 0-	31.633 / 10.2	V= 101:745 / 14	H= .122545 / /10	1- 12.300 / 17.0
Z= 141.772 KM				
	05 / 40 0			
LAT=-78.0 U=	25.276 / 16.8	V= 25.547 / 10.8	W= .088369 / 12.1	T= 17.207 / 15.1
LAT=-72.0 U=	23.720 / 16.8	V= 24.240 / 10.8	W= .122798 / 12.1	T= 22.655 / 15.2
LAT=-66.0 U=	21.676 / 16.8	V= 22.637 / 10.8	W= .148246 / 12.0	T= 24.487 / 15.5
LAT==60.0 U=	16.118 / 17.2 7.896 / 19.0	V= 20.225 / 10.7 V= 16.820 / 10.6	W= .171201 / 12.1 W= .191538 / 12.2	T= 26.469 / 15.4 T= 28.658 / 15.1
LAT=-54.0 U=	7.772 / 19.2		W= .191538 / 12.2 W= .193693 / 11.7	T= 25.731 / 15.7
	7.715 / 22.1	V= 12.675 / 10.7 V= 7.285 / 11.2	W= .193093 / 11.7 W= .201870 / 11.4	T= 25.833 / 16.0
LAT=-42.0 U=	14.960 / .8	V= 7.265 / 11.2 V= 2.912 / 16.3	W= .214375 / 11.5	T= 28.340 / 15.9
LAT=-30.0 U=	19.640 / 1.4	V= 9.246 / 20.4	W= .218124 / 11.4	T= 27.795 / 15.9
LAT=-24.0 U=	23.991 / 1.6	V= 17.313 / 21.1	W= .229512 / 11.9	T= 27.909 / 15.5
LAT=-18.0 U=	26.224 / 1.7	V= 17.313 / 21.1 V= 23.663 / 21.4	W= .264346 / 12.8	T= 29.825 / 14.6
LAT=-12.0 U=	24.110 / 1.7	V= 25.955 / 21.9	W= .322773 / 13.8	T= 33.889 / 13.5
LAT= -6.0 U=	21.254 / 1.6	V= 24.259 / 22.7	w= .385926 / 14.4	T= 39.904 / 12.7
LAT= 0.0 U=	20.686 / 1.3	V= 22.116 / .2	W= .412001 / 14.7	T= 44.030 / 12.5
LAT= 6.0 U=	23.157 / 1.1	V= 23.671 / 1.6	W= .379433 / 14.7	T= 43.163 / 12.8
LAT= 12.0 U=	27.136 / .9	V= 27.870 / 2.2	W= .303392 / 14.3	T= 39.999 / 13.5
LAT= 18.0 U=	29.816 / .6	v= 32.648 / 1.9	w= .222536 / 13.5	T= 37.824 / 14.4
LAT= 24.0 U=	29.195 / .1	V= 39.149 / 1.3	w= .166411 / 12.6	T= 36.808 / 15.0
LAT= 30.0 U=	25.919 / 23.1	V= 47.317 / .7	W= .130638 / 11.9	T= 35.678 / 15.3
LAT= 36.0 U=	24.022 / 21.4	v= 56.604 / .2	W= .099621 / 11.5	T= 33.714 / 15.4
LAT= 42.0 U=	26.541 / 20.1	v= 66.555 / 0.0	w= .057953 / 11.4	T= 33.765 / 15.5
LAT= 48.0 U=	38.423 / 19.3	v= 75.913 / 23.9	w= .010351 / 8.6	T= 32.347 / 15.4
LAT= 54.0 U=	57.859 / 19.0	v= 64.648 / 23.9	w= .057445 / 1.0	T= 29.602 / 15.2
LAT= 60.0 U=	76.018 / 18.1	V= 92.342 / 0.0	W= .149159 / 1.3	T= 24.416 / 16.0
LAT= 65.0 U=	89.525 / 17.9	V= 100.234 / .2	W= .204993 / 1.7	T= 21.145 / 16.8
			W= .226406 / 2.1	
! LAT= 72.0 U=	96.625 / 18.1	v= 108.589 / .4	W220400 / 2.1	T= 19.286 / 17.5
	96.625 / 18.1 107.482 / 18.3	V= 108.589 / .4 V= 116.100 / .5	W= .177322 / 2.5	T= 19.286 / 17.5 T= 14.265 / 17.9

Table B2. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78° S to 78° N in 6° Increments, for Altitudes From Sea Level to 400 km at the December Solstice (Contd)

Z= 149.425	KM							
LAT=-78.0	Ų=	36.907 / 16.8	V= 36.627 /	10.7	W=	.129195 / 11.9	T=	27.085 / 14.9
LAT=-72.0	U=	34.909 / 17.0	V= 34.463 /		W=	.180988 / 11.9	T=	37.024 / 15.0
LAT=-66.0	Ü=	31.620 / 17.2	V= 31.886 /		W =	.217744 / 11.9	T=	41.920 / 15.2
LAT=-60.0	Ū=	25.902 / 17.6	V= 28.601 /		w=	.249392 / 11.9	T=	45.491 / 15.2
LAT=-54.0	Ü=	18.961 / 18.9	V= 24.525 /		w=	.275528 / 12.1	T=	47.740 / 15.1
LAT = -48.0	U=	17.604 / 18.9	V= 20.111 /		W=	.270460 / 11.7	T=	46.156 / 15.3
LAT=-42.0	U≐	16.569 / 20.3	V= 15.262 /		W =	.272403 / 11.6	T =	46.917 / 15.5
LAT=-36.0	U=	20.896 / 22.4	V= 10.965 /	13.2	w =	.284162 / 11.8	T=	49.578 / 15.4
LAT=-30.0	U=	23.926 / 23.2	V= 9.738 /		W=	.284271 / 11.8	T =	49.053 / 15.3
LAT=-24.0	U≖	27.687 / 23.7	V= 13.224 /		W=	.307229 / 12.1	T =	48.431 / 15.1
LAT=-18.0	U=	30.325 / 24.0	V= 17.593 /		W =	.36621 8 / 12.6	T =	47.820 / 14.7
LAT=-12.0	U=	28.664 / .2	V= 19.736 /		M =	.442207 / 13.2	1 =	47.013 / 14.0
LAT= -6.0	U=	26.515 / .2	V= 20.787 /		W =	.512018 / 13.5	T =	47.844 / 13.5
LAT= 0.0	U=	26.488 / .1	V= 24.735 /		W=	.534805 / 13.7	T =	49.598 / 13.2
LAT= 6.0	U=	29.024 / 23.9	V= 32.273 /		W=	.493251 / 13.7	T =	50.536 / 13.5
LAT= 12.0	U=	33.245 / 23.7	V= 40.733 /		W =	.402259 / 13.6	T=	51.598 / 13.9
LAT= 18.0	U≃ U≃	36.630 / 23.4 37.427 / 22.8	V= 48.512 / V= 55.301 /		W=	.300128 / 13.2	T =	53.063 / 14.4
LAT= 24.0 LAT= 30.0	U=	36.105 / 22.0	V= 62.582 /		W=	.219570 / 12.7 .167302 / 12.2	T≖	53.236 / 14.7 51.424 / 14.8
LAT= 36.0	U=	35.558 / 20.9	V= 70.500 /		W=	.130429 / 11.8	Ť=	47.719 / 14.9
LAT= 42.0	Ü=	37.963 / 20.2	V= 79.216 /		W=	.087830 / 11.2	Τ=	45.623 / 15.0
LAT= 48.0	ÜΞ	49.545 / 19.5	V= 87.982 /		w=	.042089 / 8.5	ΤΞ	42.117 / 15.0
LAT= 54.0	Ü=	70.102 / 19.2	V= 96.758 /		Wz	.080844 / 3.1	T =	37.418 / 14.9
LAT= 60.0	Ū=	87.809 / 18.3	V= 104.750 /		W=	.204200 / 2.1	ŤΞ	29.811 / 15.7
LAT= 66.0	U=	101.891 / 18.0	V= 113.222 /		W=	.282948 / 2.2	T=	24.521 / 16.6
LAT= 72.0	U≈	109.799 / 18.1	V= 122.301 /	. 5	W=	.314702 / 2.5	T =	20.989 / 17.5
LAT= 78.0	U=	122.113 / 18.3	V= 132.985 /		W=	.245919 / 2.9	T≃	15.316 / 18.0
Z= 158.420	KM							
LAT=-78.0	U=	51.064 / 17.1	V= 49.857 /	10.8	W≈	.177520 / 11.9	T =	34.482 / 14.8
LAT=-72.0	Ŭ=	49.030 / 17.4	V= 46.757 /		W =	.255405 / 11.9	Ť=	48.879 / 14.9
LAT=-66.0	Ü=	44.728 / 17.5	V= 43.039 /		w=	.313061 / 11.8	Τ=	57.684 / 15.0
LAT=-60.0	U≠	38.862 / 18.0	V= 38.674 /		W =	.360041 / 11.9	T=	63.249 / 15.1
LAT=-54.0	U≂	32.825 / 18.9	V= 33.666 /	11.2	w=	.395653 / 12.0	T =	65.573 / 15.0
LAT=-48.0	U≠	29.857 / 19.0	V= 28.697 /		W=	.385974 / 11.8	T=	65.264 / 15.2
LAT=-42.0	U=	28.370 / 19.7	V= 23.785 /		W =	.385702 / 11.8	T=	66.832 / 15.2
LAT=-36.0	U=	31.160 / 21.1	V= 19.308 /		W =	.400932 / 11.3	T =	69.886 / 15.1
LAT=-30.0	U=	32.205 / 21.7	V= 15.862 /		W=	.398037 / 12.0	T =	69.344 / 15.0
LAT=-24.0	Ü≐	34.483 / 22.2	V= 14.246 /		W =	.426325 / 12.2	T =	68.370 / 14.9
LAT=-18.0	U =	36.687 / 22.7	V= 14.022 /		W=	.497641 / 12.4	T=	66.510 / 14.7
LAT=-12.0	U=	34.990 / 23.0	V= 14.020 /		W=	.580672 / 12.7	T =	62.842 / 14.3
LAT= -6.0	U=	33.249 / 23.2 33.499 / 23.2	V= 17.435 / V= 26.442 /		W =	.652055 / 12.8	T≃ T≠	60.474 / 14.0
LAT= 0.0 LAT= 6.0	U=	35.779 / 23.0	V= 26.442 / V= 38.093 /		₩=	.670381 / 12.9	T=	60.589 / 13.8 62.675 / 13.9
LAT= 6.0	U =	39.786 / 22.7	V= 38.093 / V= 49.341 /		w =	.617475 / 12.9 .511998 / 12.9	1 = T =	65.916 / 14.1
LAT= 12.0	U=	43.481 / 22.4	V= 58.858 /		W=	.394159 / 12.8	T =	69.086 / 14.3
LAT= 24.0	U=	45,274 / 21.9	V= 66.653 /		W =	.297872 / 12.6	T =	69.511 / 14.4
LAT= 30.0	U=	45.600 / 21.3	V= 73.751 /		W =	.233757 / 12.3	Ť =	66.786 / 14.5
LAT= 36.0	ū=	46.116 / 20.6	V= 80.940 /		w=	.192181 / 11.8	† -	61.335 / 14.5
LAT= 42.0	,1 =	48.674 / 20.1	V= 89.189 /		W =	.149375 / 11.0	T=	57.482 / 14.7
LAT= 48.0	Ù=	60.383 / 19.6	V= 98.052 /		W =	.102388 / 8.9	T =	52.203 / 14.7
LAT = 54.0	Ú=	81.815 / 19.2	V= 107.439 /		W=	.125581 / 4.9	T =	45.745 / 14.7
LAT= 60.0	U =	98.937 / 18.4	V= 116.024 /		W =	.267266 / 2.8	T =	35.882 / 15.3
LAT= 66.0		113.174 / 18.1	V= 125.158 /	. 5	W =	371192 / 2.5	T=	27.828 / 16.2
LAT= 72.0		121.744 / 18.1	V= 134.912 /		₩=	.415401 / 2.7	T =	22.362 / 17.4
LAT= 78.0	U=	135.401 / 18.3	V= 146.734 /	. 7	Μ≖	.325751 / 3.1	T =	16.205 / 18.1

Table B2. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km at the December Solstice (Contd)

Z= 181.310	KM			
LAT=-78.0	U= 80.261 / 17.7	V= 76.287 / 11.4	w= .259444 / 12.0	T= 38.310 / 14.8
LAT=-72.0	U= 79.770 / 18.0	V= 72.160 / 11.5	W= .417255 / 11.8	T= 58.472 / 14.9
LAT=-66.0	U= 75.395 / 18.4	V= 66.827 / 11.6	W= .554443 / 11.8	T= 77.137 / 14.9
LAT=-60.0	U= 69.789 / 18.7	V= 60.618 / 11.7	w= .657183 / 11.8	T= 88.112 / 14.9
LAT=-54.0	U= 63.161 / 19.1	V= 53.648 / 11.9	W= .724098 / 11.8	T= 91.468 / 14.9
LAT=-48.0	U= 55.312 / 19.2	V= 46.852 / 12.1	W= .713806 / 11.8	T= 93.088 / 14.9
LAT=-42.0	U= 51.498 / 19.5	V = 40.604 / 12.2	W= .719092 / 11.9	T= 97.194 / 14.9
LAT=-36.0	U= 52.637 / 20.2	V= 34.957 / 12.4	W= .749187 / 12.1	T= 103.379 / 14.8
LAT=-30.0	U= 49.813 / 20.5	V= 29.394 / 12.6 V= 23.486 / 13.0	W= .738673 / 12.2 W= .770005 / 12.1	T= 102.662 / 14.7 T= 102.120 / 14.7
LAT=-24.0	U= 48.905 / 20.9 U= 49.461 / 21.4	V= 23.486 / 13.0 V= 16.221 / 13.7	W= .770005 / 12.1 W= .857886 / 11.9	T= 101.054 / 14.7
LAT=-12.0	U= 47.265 / 21.8	V= 7.527 / 16.1	W= .952358 / 11.7	T= 95.161 / 14.5
LAT= -6.0	U= 45.956 / 22.1	V= 11.859 / 22.3	W= 1.030801 / 11.6	T= 90.335 / 14.4
LAT= 0.0	U= 46.332 / 22.1	V= 27.284 / 23.6	W= 1.040109 / 11.5	T= 88.953 / 14.3
LAT= 6.0	U= 47.405 / 21.9	V= 43.552 / .1	W= .957528 / 11.6	T= 91.027 / 14.2
LAT= 12.0	U= 50.054 / 21.6	V= 57.819 / .3	W= .812102 / 11.6	T= 95.078 / 14.2
LAT= 18.0	U= 53.305 / 21.3	V= 68.826 / .4	W= .655542 / 11.7	T= 98.730 / 14.2
LAT= 24.0	U= 56.078 / 20.9	V≈ 76.965 / .5	w= .529631 / 11.8	T= 97.589 / 14.2
LAT= 30.0	U= 58.210 / 20.6	V= 84.240 / .5	W= .450045 / 11.7	T= 92.561 / 14.2
LAT = 36.0		· V= 91.816 / .6	W= .406445 / 11.2	T= 84.295 / 14.2
LAT = 42.0	U= 65.159 / 20.1	V= 101.210 / .7	W= .371141 / 10.6	T= 78.043 / 14.4
LAT= 48.0	U= 78.144 / 19.8	V= 111.848 / .7	W= .307392 / 9.2	T= 70.318 / 14.4
LAT= 54.0	U= 100.922 / 19.3 U= 116.129 / 18.5	V= 123.651 / .6 V= 134.403 / .6	W= .290519 / 6.5 W= .417096 / 3.6	T= 61.465 / 14.4 T= 47.382 / 14.8
LAT= 60.0	U= 130.135 / 18.1	V= 134.403 / .6 V= 145.407 / .6	w= .417096 / 3.6 w= .568606 / 2.7	T= 34.096 / 15.6
LAT= 72.0	U= 139.173 / 18.1	V= 156.711 / .8	w= .646667 / 2.5	T= 23.798 / 17.3
LAT= 78.0	U= 155.820 / 18.4	V= 170.673 / .9	W= .517671 / 2.7	T= 16.900 / 18.1
Z= 209.865	KM			
2- 203.003				
LAT=-78.0	U= 99.311 / 18.3	V= 93.559 / 11.9	w= .263363 / 11.9	T= 33.173 / 15.2
LAT = -72.0	U= 101.779 / 18.6	V= 90.275 / 12.1	W= .522628 / 11.7	T= 53.211 / 15.2
LAT=-66.0	U= 100.075 / 18.9	V= 85.094 / 12.2	W= .780919 / 11.6	T= 78.068 / 15.0
LAT = -60.0	U= 94.756 / 19.2	V= 78.363 / 12.3	W= .968562 / 11.6	T= 93.437 / 14.9 T= 99.353 / 14.8
LAT=-54.0 LAT=-48.0	U= 86.016 / 19.5 U= 73.260 / 19.5	V= 70.163 / 12.4 V= 61.618 / 12.5	W= 1.084273 / 11.6 W= 1.089017 / 11.7	T= 99.353 / 14.8 T= 101.424 / 14.9
LAT=-48.0	U= 66.236 / 19.6	V= 51.518 / 12.5 V= 53.241 / 12.6	W= 1.119749 / 11.8	T= 107.424 / 14.9
LAT=-36.0	U= 65.167 / 19.9	V= 45.093 / 12.6	W= 1.119/49 / 11.8 W= 1.184859 / 11.9	T= 100.003 / 14.6
LAT=-30.0	U= 58.001 / 20.1	V= 36.846 / 12.5	W= 1.168767 / 12.0	T= 120.344 / 14.6
LAT=-24.0	U= 54.219 / 20.4	V= 28.289 / 12.4	W= 1.196430 / 11.8	T= 121.489 / 14.6
LAT=-18.0	U= 53.545 / 20.8	V= 18.501 / 12.1	W= 1.285962 / 11.5	T= 124.186 / 14.7
LAT=-12.0	U= 51.213 / 21.1	V= 5.972 / 12.2	W= 1.366831 / 11.2	T= 117.645 / 14.6
LAT= -6.0	U= 50.345 / 21.4	v= 9.169 / 23.7	w= 1.435405 / 10.9	T= 112.233 / 14.5
LAT= 0.0	u= 50.897 / 21.5	V= 25.985 / 23.7	w= 1.433697 / 10.7	T= 110.479 / 14.5
LAT= 6.0	U= 51.177 / 21.3	V= 42.299 / 23.8	W= 1.340734 / 10.7	T= 112.207 / 14.4
LAT= 12.0	U= 52.776 / 21.0	V= 56.334 / 23 .9	w= 1.182434 / 10.8	T= 115.856 / 14.3
LAT= 18.0	U= 55.634 / 20.7	V= 67.272 / .1	W= 1.014492 / 10.9	T= 118.908 / 14.3
LAT= 24.0	U= 59.167 / 20.4	V= 75.806 / .3 V= 84.285 / .5	W= .880024 / 11.1	T= 115.278 / 14.2
LAT= 30.0	U= 63.233 / 20.2 U= 69.090 / 20.1	V= 84.285 / .5 V= 93.631 / .6	w= .796240 / 11.0 w= .752123 / 10.6	T= 108.101 / 14.2 T= 98.039 / 14.2
LAT= 42.0	U= 75.532 / 20.2	V= 93.631 / .6 V= 105.588 / .7	W= .752123 / 10.6 W= .714533 / 10.1	T= 98.039 / 14.2
LAT- 48.0	U= 90.274 / 19.9	V= 105.388 / .7 V= 118.967 / .8	W= .612779 / 9.1	T= 81.751 / 14.3
LAT= 54.0	U= 113.601 / 19.5	V= 133.664 / .8	W= .528194 / 7.0	T= 72.039 / 14.3
LAT= 60.0	U= '26.742 / 18.7	V= 146.846 / .7	w= .589075 / 3.9	T= 54.338 / 14.6
LAT= 65.0	U= 139.527 / 18.3	V= 159.804 / .7	W= .784712 / 2.5	T= 37.370 / 15.4
LAT= 72.0	U= 148.055 / 18.2	V= 172.612 / .9	w= .904850 / 2.1	T= 24.145 / 17.3
LAT= 78.0	U= 167.259 / 1k.5	V= 188.193 / 1.0	W= .744094 / 2.2	T= 16.948 / 18.2

Table B2. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km at the December Solstice (Contd)

z= 240.988	KM			
AT=-78.0	U= 108.395 / 18.7	V= 103.441 / 12.3	W= .230456 / 11.2	T= 28.465 / 15.
LAT=-72.0	U= 113.408 / 19.0	V= 101.686 / 12.5	W= .583475 / 11.5	T= 46.150 / 15.
LAT=-66.0	U= 114.830 / 19.2	V= 97.421 / 12.6	w= .967603 / 11.6	T= 71.203 / 15.
LAT=-60.0	U= 110.234 / 19.4	V= 90.869 / 12.7	W= 1.244078 / 11.6	T= 67.689 / 15.
LAT=-54.0	U= 99.583 / 19.6	V≠ 82.123 / 12.8	W= 1.411755 / 11.5	T= 95.566 / 15.
LAT=-48.0	U= 83.123 / 19.6	V= 72.426 / 12.9	W= 1.437605 / 11.7	T= 97.299 / 15.
AT=-42.0	U= 73.245 / 19.7	V= 62.492 / 12.9	W= 1.503079 / 11.8	T= 107.591 / 15.
LAT=-36.0	U= 69.967 / 19.8	V* 52.381 / 12.8	w= 1.612555 / 11.7	T= 126.370 / 14.
AT=-30.0	U= 59.336 / 19.9	V= 42.094 / 12.5	W= 1.594666 / 11.7	T= 125.084 / 14.
AT=-24.0	U= 53.259 / 20.1	V= 31.764 / 12.1	W= 1.632336 / 11.5	T= 128.167 / 14.
AT=-18.0	U= 51.839 / 20.4		W= 1.743334 / 11.2	T= 135.052 / 14.
AT=-12.0	U= 49.730 / 20.8	V= 8.311 / 10.0	W= 1.818152 / 10.9	T= 128.644 / 14.
AT= -6.0	U= 49.574 / 21.1	V= 8.510 / 1.2	W= 1.881086 / 10.6	T= 123.374 / 14.
AT= 0.0	U= 50.658 / 21.2	V= 24.433 / 23.9	W= 1.876753 / 10.4	T= 121.823 / 14.
AT= 6.0	U= 51.049 / 21.0		W= 1.777350 / 10.3	T= 123.608 / 14.
AT= 12.0	U= 52.455 / 20.7	V= 54.027 / 23.7	W= 1.613508 / 10.4	T= 127.127 / 14.
AT= 18.0	U= 55.302 / 20.4		W= 1.440881 / 10.4	T= 129.898 / 14.
LAT= 24.0	U= 59.846 / 20.2	V= 74.063 / .2	W= 1.289352 / 10.5	T= 124.158 / 14.
LAT= 30.0	U= 65.885 / 20.1	V= 83.854 / .5	W= 1.191114 / 10.4	T= 115.576 / 14.
AT= 36.0	U= 73.390 / 20.1		W= 1.133955 / 10.2	T= 104.792 / 14.
		V= 109.380 / .8	W= 1.080986 / 9.8	T= 96.284 / 14.
AT= 42.0				T= 87.032 / 14.
AT= 48.0				
AT = 54.0	U= 123.122 / 19.6	V= 141.820 / .8	W= .785398 / 7.0	T= 77.360 / 14.
AT= 60.0	U= 134.408 / 18.8	V= 156.551 / .8	W= .774849 / 3.9	T= 56.687 / 14.
LAT= 66.0	U= 145.933 / 18.4		W= 1.008744 / 2.4	T= 38.256 / 15.
LAT= 72.0 LAT= 78.0	U= 153.557 / 18.3 U= 174.522 / 18.6		W= 1.165878 / 1.8 W= .972409 / 1.8	T= 24.760 / 17. T= 17.272 / 18.
2= 272.801			,	
AT=-78.0	U= 115.554 / 18.9	V= 112.027 / 12.6	w= .228591 / 10.8	T= 26.449 / 16.
	U= 115.554 / 18.9		W= .228591 / 10.8 W= .652743 / 11.5	
AT=-72.0	U= 122.041 / 19.2	V= 111.229 / 12.7	W= .652743 / 11.5	T= 42.363 / 16.
LAT=-78.0 LAT=-72.0 LAT=-66.0	U= 122.041 / 19.2 U= 126.014 / 19.4	V= 111.229 / 12.7 V= 107.603 / 12.9	W= .652743 / 11.5 W= 1.148129 / 11.6	T= 42.363 / 16. T= 65.917 / 16.
LAT=-72.0 LAT=-66.0 LAT=-60.0	U= 122.041 / 19.2 U= 126.014 / 19.4 U= 122.021 / 19.6	V= 111.229 / 12.7 V= 107.603 / 12.9 V= 101.336 / 13.0	W= .652743 / 11.5 W= 1.148129 / 11.6 W= 1.507243 / 11.6	T= 42.363 / 16. T= 65.917 / 16. T= 81.971 / 15.
LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0	U= 122.041 / 19.2 U= 126.014 / 19.4 U= 122.021 / 19.6 U= 109.994 / 19.8	V= 111.229 / 12.7 V= 107.603 / 12.9 V= 101.336 / 13.0 V= 92.269 / 13.1	W= .652743 / 11.5 W= 1.148129 / 11.6 W= 1.507243 / 11.6 W= 1.729105 / 11.5	T= 42.363 / 16. T= 65.917 / 16. T= 81.971 / 15. T= 90.839 / 15.
LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-48.0	U= 122.041 / 19.2 U= 126.014 / 19.4 U= 122.021 / 19.6 U= 109.994 / 19.8 U= 90.885 / 19.8	V= 111.229 / 12.7 V= 107.603 / 12.9 V= 101.336 / 13.0 V= 92.269 / 13.1 V= 81.968 / 13.1	W= .652743 / 11.5 W= 1.148129 / 11.6 W= 1.507243 / 11.6 W= 1.729105 / 11.5 W= 1.780818 / 11.6	T= 42.363 / 16. T= 65.917 / 16. T= 81.971 / 15. T= 90.839 / 15. T= 92.510 / 15.
AT=-72.0 AT=-66.0 AT=-60.0 AT=-54.0 AT=-48.0 AT=-42.0	U= 122.041 / 19.2 U= 126.014 / 19.4 U= 122.021 / 19.6 U= 109.994 / 19.8 U= 90.885 / 19.8 U= 78.999 / 19.8	V= 111.229 / 12.7 V= 107.603 / 12.9 V= 101.336 / 13.0 V= 92.269 / 13.1 V= 81.968 / 13.1 V= 71.047 / 13.1	W= .652743 / 11.5 W= 1.148129 / 11.6 W= 1.507243 / 11.6 W= 1.729105 / 11.5 W= 1.780818 / 11.6 W= 1.889554 / 11.6	T= 42.363 / 16. T= 65.917 / 16. T= 81.971 / 15. T= 90.839 / 15. T= 92.510 / 15. T= 104.208 / 15.
LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-48.0 LAT=-42.0 LAT=-36.0	U= 122.041 / 19.2 U= 126.014 / 19.4 U= 122.021 / 19.6 U= 109.994 / 19.8 U= 90.885 / 19.8 U= 78.999 / 19.8 U= 74.352 / 19.9	V= 111.229 / 12.7 V= 107.603 / 12.9 V= 101.336 / 13.0 V= 92.269 / 13.1 V= 81.968 / 13.1 V= 71.047 / 13.1 V= 59.557 / 13.0	W= .652743 / 11.5 W= 1.148129 / 11.6 W= 1.507243 / 11.6 W= 1.729105 / 11.5 W= 1.780818 / 11.6 W= 1.889554 / 11.6 W= 2.060909 / 11.6	T= 42.363 / 16. T= 65.917 / 16. T= 81.971 / 15. T= 90.839 / 15. T= 92.510 / 15. T= 104.208 / 15. T= 126.838 / 14.
AT=-72.0 AT=-66.0 AT=-54.0 AT=-54.0 AT=-42.0 AT=-36.0 AT=-30.0	U= 122.041 / 19.2 U= 126.014 / 19.4 U= 122.021 / 19.6 U= 109.994 / 19.8 U= 90.885 / 19.8 U= 78.999 / 19.8 U= 74.352 / 19.9 U= 60.692 / 19.9	V= 111.229 / 12.7 V= 107.603 / 12.9 V= 101.336 / 13.0 V= 92.269 / 13.1 V= 81.968 / 13.1 V= 71.047 / 13.1 V= 59.557 / 13.0 V= 47.761 / 12.7	W= .652743 / 11.5 W= 1.148129 / 11.6 W= 1.507243 / 11.6 W= 1.729105 / 11.5 W= 1.780818 / 11.6 W= 1.889554 / 11.6 W= 2.060909 / 11.6 W= 2.047734 / 11.5	T= 42.363 / 16. T= 65.917 / 16. T= 81.971 / 15. T= 90.839 / 15. T= 92.510 / 15. T= 104.208 / 15. T= 126.838 / 14. T= 125.665 / 14.
AT=-72.0 AT=-66.0 AT=-60.0 AT=-54.0 AT=-48.0 AT=-42.0 AT=-36.0 AT=-30.0 AT=-24.0	U= 122.041 / 19.2 U= 126.014 / 19.4 U= 122.021 / 19.6 U= 109.994 / 19.8 U= 90.885 / 19.8 U= 78.999 / 19.8 U= 74.352 / 19.9 U= 60.692 / 19.9 U= 53.278 / 20.0	V= 111.229 / 12.7 V= 107.603 / 12.9 V= 101.336 / 13.0 V= 92.269 / 13.1 V= 81.968 / 13.1 V= 71.047 / 13.1 V= 59.557 / 13.0 V= 47.761 / 12.7 V= 35.852 / 12.3	W= .652743 / 11.5 W= 1.148129 / 11.6 W= 1.507243 / 11.6 W= 1.729105 / 11.5 W= 1.780818 / 11.6 W= 1.889554 / 11.6 W= 2.060909 / 11.6 W= 2.047734 / 11.5 W= 2.049574 / 11.3	T= 42.363 / 16. T= 65.917 / 16. T= 91.971 / 15. T= 90.839 / 15. T= 92.510 / 15. T= 104.208 / 15. T= 126.838 / 14. T= 130.048 / 14.
AT=-72.0 AT=-66.0 AT=-60.0 AT=-54.0 AT=-48.0 AT=-42.0 AT=-36.0 AT=-24.0 AT=-24.0	U= 122.041 / 19.2 U= 126.014 / 19.4 U= 122.021 / 19.6 U= 109.994 / 19.8 U= 90.885 / 19.8 U= 78.999 / 19.8 U= 74.352 / 19.9 U= 60.892 / 19.9 U= 53.278 / 20.0 U= 51.680 / 20.3	V= 111.229 / 12.7 V= 107.603 / 12.9 V= 101.336 / 13.0 V= 92.269 / 13.1 V= 81.968 / 13.1 V= 71.047 / 13.1 V= 59.557 / 13.0 V= 47.761 / 12.7 V= 35.852 / 12.3 V= 23.557 / 11.6	W= .652743 / 11.5 W= 1.148129 / 11.6 W= 1.507243 / 11.6 W= 1.729105 / 11.5 W= 1.780818 / 11.6 W= 1.889554 / 11.6 W= 2.060909 / 11.6 W= 2.047734 / 11.5 W= 2.09574 / 11.3 W= 2.237908 / 11.0	T= 42.363 / 16. T= 65.917 / 16. T= 81.971 / 15. T= 90.839 / 15. T= 92.510 / 15. T= 104.208 / 14. T= 125.665 / 14. T= 130.048 / 14. T= 139.425 / 14.
AT=-72.0 AT=-66.0 AT=-60.0 AT=-54.0 AT=-54.0 AT=-48.0 AT=-36.0 AT=-30.0 AT=-24.0 AT=-18.0 AT=-12.0	U= 122.041 / 19.2 U= 126.014 / 19.4 U= 122.021 / 19.6 U= 109.994 / 19.8 U= 90.885 / 19.8 U= 78.999 / 19.9 U= 74.352 / 19.9 U= 60.892 / 19.9 U= 53.278 / 20.3 U= 51.680 / 20.3 U= 49.926 / 20.6	V= 111.229 / 12.7 V= 107.603 / 12.9 V= 101.336 / 13.0 V= 92.269 / 13.1 V= 81.968 / 13.1 V= 71.047 / 13.1 V= 59.557 / 13.0 V= 47.761 / 12.7 V= 35.852 / 12.3 V= 23.557 / 11.6 V= 10.112 / 10.2	W= .652743 / 11.5 W= 1.148129 / 11.6 W= 1.507243 / 11.6 W= 1.729105 / 11.5 W= 1.780818 / 11.6 W= 1.889554 / 11.6 W= 2.060909 / 11.6 W= 2.047734 / 11.5 W= 2.099574 / 11.3 W= 2.237908 / 11.0 W= 2.306970 / 10.7	T= 42.363 / 16. T= 65.917 / 16. T= 81.971 / 15. T= 90.839 / 15. T= 92.510 / 15. T= 104.208 / 15. T= 126.838 / 14. T= 130.048 / 14. T= 130.048 / 14. T= 133.347 / 14.
AT = -72.0 AT = -66.0 AT = -60.0 AT = -54.0 AT = -48.0 AT = -36.0 AT = -36.0 AT = -30.0 AT = -24.0 AT = -12.0 AT = -12.0	U= 122.041 / 19.2 U= 126.014 / 19.4 U= 122.021 / 19.6 U= 109.994 / 19.8 U= 90.885 / 19.8 U= 78.999 / 19.8 U= 74.352 / 19.9 U= 60.692 / 19.9 U= 53.278 / 20.0 U= 51.680 / 20.3 U= 49.926 / 20.6 U= 50.210 / 20.9	V= 111.229 / 12.7 V= 107.603 / 12.9 V= 101.336 / 13.0 V= 92.269 / 13.1 V= 81.968 / 13.1 V= 71.047 / 13.1 V= 59.557 / 13.0 V= 47.761 / 12.7 V= 35.852 / 12.3 V= 23.557 / 11.6 V= 10.112 / 10.2 V= 7.727 / 1.9	W= .652743 / 11.5 W= 1.148129 / 11.6 W= 1.507243 / 11.6 W= 1.729105 / 11.5 W= 1.780818 / 11.6 W= 1.889554 / 11.6 W= 2.060909 / 11.6 W= 2.047734 / 11.5 W= 2.099574 / 11.3 W= 2.237908 / 11.0 W= 2.306970 / 10.7 W= 2.364367 / 10.4	T= 42.363 / 16. T= 65.917 / 16. T= 81.971 / 15. T= 90.839 / 15. T= 104.208 / 15. T= 126.838 / 14. T= 125.665 / 14. T= 130.048 / 14. T= 139.425 / 14. T= 133.347 / 14. T= 128.454 / 14.
AT=-72.0 AT=-66.0 AT=-66.0 AT=-54.0 AT=-48.0 AT=-42.0 AT=-36.0 AT=-30.0 AT=-18.0 AT=-12.0 AT=-12.0 AT=-0.0	U= 122.041 / 19.2 U= 126.014 / 19.4 U= 122.021 / 19.6 U= 109.994 / 19.8 U= 90.885 / 19.8 U= 78.999 / 19.8 U= 74.352 / 19.9 U= 60.892 / 19.9 U= 53.278 / 20.0 U= 51.680 / 20.3 U= 49.926 / 20.6 U= 50.210 / 20.9 U= 51.728 / 21.0	V= 111.229 / 12.7 V= 107.603 / 12.9 V= 101.336 / 13.0 V= 92.269 / 13.1 V= 81.968 / 13.1 V= 71.047 / 13.1 V= 59.557 / 13.0 V= 47.761 / 12.7 V= 35.852 / 12.3 V= 23.557 / 11.6 V= 10.112 / 10.2 V= 7.727 / 1.9 V= 23.497 / 1.9	W= .652743 / 11.5 W= 1.148129 / 11.6 W= 1.507243 / 11.6 W= 1.729105 / 11.5 W= 1.780818 / 11.6 W= 1.889554 / 11.6 W= 2.060909 / 11.6 W= 2.047734 / 11.5 W= 2.09574 / 11.3 W= 2.237908 / 11.0 W= 2.3364367 / 10.7 W= 2.351505 / 10.2	T= 42.363 / 16. T= 65.917 / 16. T= 81.971 / 15. T= 90.839 / 15. T= 92.510 / 15. T= 104.208 / 14. T= 126.838 / 14. T= 125.665 / 14. T= 130.048 / 14. T= 139.425 / 14. T= 133.347 / 14. T= 128.454 / 14. T= 128.454 / 14. T= 127.297 / 14.
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AT=-72.0 AT=-66.0 AT=-66.0 AT=-54.0 AT=-48.0 AT=-42.0 AT=-36.0 AT=-30.0 AT=-18.0 AT=-12.0 AT=-6.0 AT= 0.0 AT= 12.0	U= 122.041 / 19.2 U= 126.014 / 19.4 U= 122.021 / 19.6 U= 109.994 / 19.8 U= 90.885 / 19.8 U= 78.999 / 19.8 U= 74.352 / 19.9 U= 60.892 / 19.9 U= 53.278 / 20.3 U= 51.680 / 20.3 U= 51.728 / 21.0 U= 51.728 / 21.0 U= 52.543 / 20.8 U= 54.226 / 20.5	V= 111.229 / 12.7 V= 107.603 / 12.9 V= 101.336 / 13.0 V= 92.269 / 13.1 V= 81.968 / 13.1 V= 71.047 / 13.1 V= 59.557 / 13.0 V= 47.761 / 12.7 V= 35.852 / 12.3 V= 23.557 / 11.6 V= 10.112 / 10.2 V= 7.727 / 1.9 V= 39.371 / 23.8 V= 53.315 / 23.3	W= .652743 / 11.5 W= 1.148129 / 11.6 W= 1.507243 / 11.6 W= 1.729105 / 11.5 W= 1.780818 / 11.6 W= 2.060909 / 11.6 W= 2.047734 / 11.5 W= 2.099574 / 11.3 W= 2.306970 / 10.7 W= 2.364367 / 10.4 W= 2.351505 / 10.2 W= 2.252100 / 10.1 W= 2.087484 / 10.2	T= 42.363 / 16. T= 65.917 / 16. T= 81.971 / 15. T= 90.839 / 15. T= 92.510 / 15. T= 126.838 / 14. T= 125.665 / 14. T= 130.048 / 14. T= 133.347 / 14. T= 128.454 / 14. T= 127.297 / 14. T= 129.345 / 14. T= 132.976 / 14.
AT = -72.0 AT = -66.0 AT = -66.0 AT = -54.0 AT = -48.0 AT = -48.0 AT = -36.0 AT = -36.0 AT = -30.0 AT = -18.0 AT = -12.0 AT = 6.0 AT = 6.0 AT = 6.0 AT = 12.0 AT = 12.0 AT = 18.0	U= 122.041 / 19.2 U= 126.014 / 19.4 U= 126.021 / 19.6 U= 109.994 / 19.8 U= 90.885 / 19.8 U= 78.999 / 19.9 U= 74.352 / 19.9 U= 60.892 / 19.9 U= 53.278 / 20.0 U= 51.680 / 20.3 U= 49.926 / 20.6 U= 50.210 / 20.9 U= 51.728 / 21.0 U= 52.543 / 20.8 U= 57.463 / 20.2	V= 111.229 / 12.7 V= 107.603 / 12.9 V= 101.336 / 13.0 V= 92.269 / 13.1 V= 81.968 / 13.1 V= 71.047 / 13.1 V= 59.557 / 13.0 V= 47.761 / 12.7 V= 35.852 / 12.3 V= 23.557 / 11.6 V= 10.112 / 10.2 V= 7.727 / 1.9 V= 33.497 / .1 V= 39.371 / 23.8 V= 53.315 / 23.8 V= 64.723 / 0.0	W= .652743 / 11.5 W= 1.148129 / 11.6 W= 1.507243 / 11.6 W= 1.729105 / 11.5 W= 1.780818 / 11.6 W= 1.889554 / 11.6 W= 2.060909 / 11.6 W= 2.047734 / 11.3 W= 2.047734 / 11.3 W= 2.337908 / 11.0 W= 2.336970 / 10.7 W= 2.351505 / 10.2 W= 2.252100 / 10.1 W= 2.087484 / 10.2 W= 1.912295 / 10.2	T= 42.363 / 16. T= 65.917 / 16. T= 81.971 / 15. T= 90.839 / 15. T= 92.510 / 15. T= 104.208 / 14. T= 126.838 / 14. T= 125.665 / 14. T= 139.425 / 14. T= 139.425 / 14. T= 129.347 / 14. T= 129.345 / 14. T= 129.345 / 14. T= 129.345 / 14. T= 135.738 / 14. T= 135.738 / 14.
LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-48.0 LAT=-36.0 LAT=-30.0 LAT=-18.0 LAT=-12.0 LAT=-18.0 LAT=-18.0 LAT=-6.0 LAT= 6.0 LAT= 12.0 LAT= 12.0 LAT= 12.0 LAT= 12.0 LAT= 24.0	U= 122.041 / 19.2 U= 126.014 / 19.4 U= 126.021 / 19.6 U= 109.994 / 19.8 U= 78.999 / 19.8 U= 74.352 / 19.9 U= 60.892 / 19.9 U= 51.680 / 20.3 U= 49.926 / 20.6 U= 50.210 / 20.9 U= 52.543 / 20.8 U= 54.226 / 20.5 U= 57.463 / 20.8 U= 57.463 / 20.8 U= 57.463 / 20.8 U= 57.463 / 20.8	V= 111.229 / 12.7 V= 107.603 / 12.9 V= 101.336 / 13.0 V= 92.269 / 13.1 V= 81.968 / 13.1 V= 71.047 / 13.1 V= 59.557 / 13.0 V= 47.761 / 12.7 V= 35.852 / 12.3 V= 23.557 / 11.6 V= 10.112 / 10.2 V= 7.727 / 1.9 V= 23.497 / 1 V= 39.371 / 23.8 V= 53.315 / 23.8 V= 64.723 / 0.3	W= .652743 / 11.5 W= 1.148129 / 11.6 W= 1.507243 / 11.6 W= 1.729105 / 11.5 W= 1.780818 / 11.6 W= 2.060909 / 11.6 W= 2.047734 / 11.5 W= 2.037908 / 11.0 W= 2.337908 / 11.0 W= 2.337908 / 10.7 W= 2.351505 / 10.2 W= 2.252100 / 10.1 W= 2.087484 / 10.2 W= 1.912295 / 10.2 W= 1.735082 / 10.2	T= 42.363 / 16. T= 65.917 / 16. T= 81.971 / 15. T= 90.839 / 15. T= 92.510 / 15. T= 126.838 / 14. T= 125.665 / 14. T= 130.048 / 14. T= 139.425 / 14. T= 139.425 / 14. T= 128.454 / 14. T= 128.331 / 14. T= 135.738 / 14. T= 135.738 / 14. T= 128.331 / 14.
LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-34.0 LAT=-36.0 LAT=-30.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-12.0 LAT=-6.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-13.0 LAT=-13.0	U= 122.041 / 19.2 U= 126.014 / 19.4 U= 122.021 / 19.6 U= 109.994 / 19.8 U= 90.885 / 19.8 U= 78.999 / 19.9 U= 60.892 / 19.9 U= 53.278 / 20.0 U= 51.680 / 20.3 U= 49.926 / 20.6 U= 50.210 / 20.9 U= 52.543 / 20.8 U= 54.226 / 20.5 U= 57.463 / 20.2 U= 62.530 / 20.2 U= 69.777 / 20.2	V= 111.229 / 12.7 V= 107.603 / 12.9 V= 101.336 / 13.0 V= 92.269 / 13.1 V= 81.968 / 13.1 V= 71.047 / 13.1 V= 59.557 / 13.0 V= 47.761 / 12.7 V= 35.852 / 12.3 V= 23.557 / 11.6 V= 10.112 / 10.2 V= 7.727 / 1.9 V= 39.371 / 23.8 V= 39.371 / 23.8 V= 53.315 / 23.3 V= 64.723 / 0.0 V= 74.927 / .3	W= .652743 / 11.5 W= 1.148129 / 11.6 W= 1.507243 / 11.6 W= 1.729105 / 11.5 W= 1.780818 / 11.6 W= 2.060909 / 11.6 W= 2.047734 / 11.5 W= 2.099574 / 11.3 W= 2.37908 / 11.0 W= 2.336970 / 10.7 W= 2.364367 / 10.4 W= 2.351505 / 10.2 W= 2.252100 / 10.1 W= 2.087484 / 10.2 W= 1.912295 / 10.2 W= 1.735082 / 10.2 W= 1.735082 / 10.2 W= 1.612842 / 10.1	T= 42.363 / 16. T= 65.917 / 16. T= 81.971 / 15. T= 90.839 / 15. T= 92.510 / 15. T= 126.838 / 14. T= 125.665 / 14. T= 130.048 / 14. T= 133.347 / 14. T= 128.454 / 14. T= 127.297 / 14. T= 129.345 / 14. T= 129.345 / 14. T= 125.738 / 14. T= 128.331 / 14. T= 128.331 / 14. T= 128.331 / 14. T= 128.331 / 14. T= 118.847 / 14.
AT = -72.0 AT = -66.0 AT = -66.0 AT = -54.0 AT = -48.0 AT = -48.0 AT = -36.0 AT = -36.0 AT = -30.0 AT = -18.0 AT = -12.0 AT = -6.0 AT = 0.0 AT = 12.0 AT = 12.0 AT = 12.0 AT = 36.0	U= 122.041 / 19.2 U= 126.014 / 19.4 U= 126.021 / 19.6 U= 109.994 / 19.8 U= 90.885 / 19.8 U= 78.999 / 19.9 U= 60.892 / 19.9 U= 53.278 / 20.0 U= 51.680 / 20.3 U= 49.926 / 20.6 U= 50.210 / 20.9 U= 52.543 / 20.8 U= 52.543 / 20.8 U= 52.543 / 20.8 U= 52.543 / 20.6 U= 57.463 / 20.2 U= 62.530 / 20.2 U= 69.777 / 20.2 U= 79.091 / 20.2	V= 111.229 / 12.7 V= 107.603 / 12.9 V= 101.336 / 13.0 V= 92.269 / 13.1 V= 81.968 / 13.1 V= 71.047 / 13.1 V= 59.557 / 13.0 V= 47.761 / 12.7 V= 35.852 / 12.3 V= 23.557 / 11.6 V= 10.112 / 10.2 V= 7.727 / 1.9 V= 23.497 / .1 V= 39.371 / 23.8 V= 64.723 / 0.0 V= 74.927 / .3 V= 86.118 / 6 V= 98.792 / .7	W= .652743 / 11.5 W= 1.148129 / 11.6 W= 1.507243 / 11.6 W= 1.729105 / 11.5 W= 1.780818 / 11.6 W= 2.060909 / 11.6 W= 2.060909 / 11.6 W= 2.047734 / 11.5 W= 2.049574 / 11.3 W= 2.337908 / 11.0 W= 2.364367 / 10.4 W= 2.351505 / 10.2 W= 2.252100 / 10.1 W= 2.087484 / 10.2 W= 1.912295 / 10.2 W= 1.735082 / 10.2 W= 1.612842 / 10.1 W= 1.531519 / 9.9	T= 42.363 / 16. T= 65.917 / 16. T= 81.971 / 15. T= 90.839 / 15. T= 92.510 / 15. T= 104.208 / 14. T= 126.838 / 14. T= 125.665 / 14. T= 139.425 / 14. T= 139.425 / 14. T= 128.454 / 14. T= 127.297 / 14. T= 129.345 / 14. T= 127.297 / 14. T= 128.351 / 14. T= 128.351 / 14. T= 128.331 / 14. T= 128.331 / 14. T= 118.847 / 14. T= 118.847 / 14. T= 107.916 / 14.
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AT=-72.0	U= 122.041 / 19.2 U= 126.014 / 19.4 U= 126.021 / 19.6 U= 109.994 / 19.8 U= 90.885 / 19.8 U= 78.999 / 19.9 U= 60.892 / 19.9 U= 53.278 / 20.0 U= 51.680 / 20.3 U= 49.926 / 20.6 U= 50.210 / 20.9 U= 52.543 / 20.8 U= 52.543 / 20.8 U= 52.543 / 20.8 U= 52.543 / 20.6 U= 57.463 / 20.2 U= 62.530 / 20.2 U= 69.777 / 20.2 U= 79.091 / 20.2	V= 111.229 / 12.7 V= 107.603 / 12.9 V= 101.336 / 13.0 V= 92.269 / 13.1 V= 81.968 / 13.1 V= 71.047 / 13.1 V= 59.557 / 13.0 V= 47.761 / 12.7 V= 35.852 / 12.3 V= 23.557 / 11.6 V= 10.112 / 10.2 V= 7.727 / 1.9 V= 23.497 / .1 V= 39.371 / 23.8 V= 64.723 / 0.0 V= 74.927 / .3 V= 86.118 / .6 V= 98.792 / .7 V= 114.624 / .9	W= .652743 / 11.5 W= 1.148129 / 11.6 W= 1.507243 / 11.6 W= 1.729105 / 11.5 W= 1.780818 / 11.6 W= 2.060909 / 11.6 W= 2.047734 / 11.5 W= 2.037908 / 11.0 W= 2.336970 / 10.7 W= 2.364367 / 10.4 W= 2.351505 / 10.2 W= 2.252100 / 10.1 W= 2.087484 / 10.2 W= 1.912295 / 10.2 W= 1.912295 / 10.2 W= 1.912842 / 10.1 W= 1.531519 / 9.9 W= 1.455082 / 9.5 W= 1.259091 / 8.7	T= 42.363 / 16. T= 65.917 / 16. T= 81.971 / 15. T= 90.839 / 15. T= 92.510 / 15. T= 104.208 / 15. T= 126.838 / 14. T= 139.425 / 14. T= 129.345 / 14. T= 129.347 / 14. T= 129.345 / 14. T= 128.331 / 14. T= 188.331 / 14. T= 107.916 / 14. T= 98.321 / 14. T= 98.321 / 14. T= 88.739 / 14.
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LAT = -72.0 LAT = -66.0 LAT = -66.0 LAT = -64.0 LAT = -48.0 LAT = -36.6 LAT = -36.6 LAT = -36.6 LAT = -12.0 LAT = -12.0 LAT = -6.0 LAT = -6.0 LAT = 12.0 LAT = 12.0 LAT = 36.0 LAT = 36.0 LAT = 36.0 LAT = 36.0 LAT = 42.0 LAT = 42.0 LAT = 42.0 LAT = 48.0 LAT = 54.0	U= 122.041 / 19.2 U= 126.014 / 19.4 U= 126.021 / 19.6 U= 109.994 / 19.8 U= 90.885 / 19.8 U= 78.999 / 19.9 U= 60.892 / 19.9 U= 53.278 / 20.0 U= 51.680 / 20.3 U= 49.926 / 20.6 U= 50.210 / 20.9 U= 51.728 / 21.0 U= 52.543 / 20.8 U= 52.543 / 20.8 U= 54.226 / 20.5 U= 69.777 / 20.2 U= 69.777 / 20.2 U= 90.853 / 20.3 U= 107.939 / 20.3 U= 107.939 / 20.3 U= 131.714 / 19.6	V= 111.229 / 12.7 V= 107.603 / 12.9 V= 101.336 / 13.0 V= 92.269 / 13.1 V= 81.968 / 13.1 V= 71.047 / 13.1 V= 59.557 / 13.0 V= 47.761 / 12.7 V= 35.852 / 12.3 V= 23.557 / 11.6 V= 10.112 / 10.2 V= 7.727 / 1.9 V= 39.371 / 23.8 V= 39.371 / 23.8 V= 64.723 / 0.0 V= 74.927 / .3 V= 64.723 / 0.0 V= 74.927 / .3 V= 86.118 / .6 V= 98.792 / .7 V= 114.624 / .9 V= 131.678 / .9 V= 149.901 / .8 V= 165.560 / .8	W= .652743 / 11.5 W= 1.148129 / 11.6 W= 1.507243 / 11.6 W= 1.729105 / 11.5 W= 1.780818 / 11.6 W= 2.060909 / 11.6 W= 2.060909 / 11.6 W= 2.047734 / 11.5 W= 2.09574 / 11.3 W= 2.337908 / 11.0 W= 2.364367 / 10.4 W= 2.351505 / 10.2 W= 2.351505 / 10.2 W= 2.252100 / 10.1 W= 2.087484 / 10.2 W= 1.912295 / 10.2 W= 1.912295 / 10.2 W= 1.531519 / 9.9 W= 1.455082 / 9.5 W= 1.259091 / 8.7 W= 1.259091 / 8.7	T= 42.363 / 16. T= 65.917 / 16. T= 61.971 / 15. T= 90.839 / 15. T= 92.510 / 15. T= 104.208 / 14. T= 126.838 / 14. T= 125.665 / 14. T= 139.425 / 14. T= 139.425 / 14. T= 139.425 / 14. T= 128.454 / 14. T= 129.345 / 14. T= 129.345 / 14. T= 129.345 / 14. T= 128.331 / 14. T= 128.331 / 14. T= 188.738 / 14. T= 198.321 / 14. T= 98.321 / 14. T= 98.321 / 14. T= 98.321 / 14. T= 98.321 / 14. T= 79.485 / 14. T= 79.485 / 14. T= 58.189 / 14.
LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-48.0 LAT=-36.0 LAT=-36.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-6.0 LAT=-12.0 LAT=-6.0	U= 122.041 / 19.2 U= 126.014 / 19.4 U= 126.021 / 19.6 U= 109.994 / 19.8 U= 90.885 / 19.8 U= 74.352 / 19.9 U= 60.892 / 19.9 U= 53.278 / 20.0 U= 51.680 / 20.3 U= 49.926 / 20.6 U= 50.210 / 20.9 U= 52.543 / 20.8 U= 52.543 / 20.8 U= 54.226 / 20.5 U= 62.530 / 20.2 U= 62.530 / 20.2 U= 69.777 / 20.2 U= 90.853 / 20.3 U= 107.939 / 20.3 U= 131.714 / 19.6 U= 141.630 / 18.9	V= 111.229 / 12.7 V= 107.603 / 12.9 V= 101.336 / 13.0 V= 92.269 / 13.1 V= 81.968 / 13.1 V= 71.047 / 13.1 V= 59.557 / 13.0 V= 47.761 / 12.7 V= 35.852 / 12.3 V= 23.557 / 11.6 V= 10.112 / 10.2 V= 7.727 / 1.9 V= 23.497 / 1.9 V= 39.371 / 23.8 V= 64.723 / 0.0 V= 74.927 / 3 V= 86.118 / 6 V= 114.624 / 9 V= 131.678 / 9 V= 149.901 / 8 V= 180.325 / 8	W= .652743 / 11.5 W= 1.148129 / 11.6 W= 1.507243 / 11.6 W= 1.729105 / 11.5 W= 1.780818 / 11.6 W= 2.060909 / 11.6 W= 2.047734 / 11.5 W= 2.047734 / 11.5 W= 2.037908 / 11.0 W= 2.337908 / 11.0 W= 2.3364367 / 10.7 W= 2.351505 / 10.2 W= 2.252100 / 10.1 W= 2.087484 / 10.2 W= 1.912295 / 10.2 W= 1.912295 / 10.2 W= 1.531519 / 9.9 W= 1.455082 / 9.5 W= 1.455082 / 9.5 W= 1.259991 / 8.7 W= 1.057140 / 7.0 W= .985746 / 4.0	T= 42.363 / 16. T= 65.917 / 16. T= 81.971 / 15. T= 90.839 / 15. T= 92.510 / 15. T= 104.208 / 14. T= 126.838 / 14. T= 125.665 / 14. T= 139.425 / 14. T= 139.425 / 14. T= 128.454 / 14. T= 127.297 / 14. T= 129.345 / 14. T= 129.345 / 14. T= 128.331 / 14. T= 128.331 / 14. T= 128.331 / 14. T= 188.738 / 14. T= 198.321 / 14. T= 98.321 / 14. T= 98.321 / 14. T= 98.321 / 14. T= 98.321 / 14. T= 79.485 / 14. T= 79.485 / 14. T= 58.189 / 14.

Table B2. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78° S to 78° N in 6° Increments, for Altitudes From Sea Level to 400 km at the December Solstice (Contd)

LAT=-78.0
LAT=-72.0 U= 130.721 / 19.3 V= 120.053 / 12.9 W= .739488 / 11.6 T= 41.483 / 16.4 LAT=-66.0 U= 136.400 / 19.6 V= 116.920 / 13.0 W= 1.339194 / 11.6 T= 64.598 / 16.2 LAT=-60.0 U= 1330.10 / 19.8 V= 110.809 / 13.1 W= 1.779700 / 11.6 T= 80.310 / 16.0 LAT=-54.0 U= 119.968 / 19.8 V= 101.710 / 13.2 W= 2.060535 / 11.5 T= 89.018 / 15.7 LAT=-48.0 U= 98.825 / 19.9 V= 91.018 / 13.2 W= 2.060535 / 11.5 T= 89.018 / 15.7 LAT=-42.0 U= 85.747 / 19.9 V= 79.403 / 13.2 W= 2.305739 / 11.5 T= 90.829 / 15.8 LAT=-36.0 U= 80.707 / 19.9 V= 66.948 / 13.0 W= 2.546006 / 11.4 T= 126.982 / 15.1 LAT=-30.0 U= 65.596 / 19.9 V= 53.748 / 12.8 W= 2.505739 / 11.4 T= 126.076 / 15.1 LAT=-24.0 U= 57.022 / 20.0 V= 40.251 / 12.4 W= 2.600913 / 11.2 T= 131.110 / 15.1 LAT=-18.0 U= 55.142 / 20.2 V= 26.288 / 11.8 W= 2.761854 / 10.9 T= 141.524 / 15.0 LAT=-12.0 U= 53.074 / 20.5 V= 11.515 / 10.6 W= 2.810664 / 10.6 T= 135.786 / 14.9 LAT= 60.0 U= 56.179 / 20.7 V= 39.219 / 24.0 W= 2.733999 / 10.1 T= 132.748 / 14.7 LAT= 18.0 U= 56.179 / 20.7 V= 39.219 / 24.0 W= 2.733999 / 10.1 T= 132.748 / 14.7 LAT= 18.0 U= 56.179 / 20.7 V= 39.219 / 24.0 W= 2.579288 / 10.1 T= 132.748 / 14.7 LAT= 12.0 U= 58.412 / 20.5 V= 53.745 / 24.0 W= 2.579288 / 10.1 T= 132.748 / 14.6 LAT= 18.0 U= 67.975 / 20.1 V= 77.269 / .4 W= 2.208615 / 10.0 T= 131.146 / 14.4 LAT= 30.0 U= 75.987 / 20.1 V= 77.269 / .4 W= 2.208615 / 10.0 T= 131.146 / 14.4 LAT= 30.0 U= 75.987 / 20.1 V= 77.269 / .4 W= 2.208615 / 10.0 T= 131.146 / 14.4 LAT= 30.0 U= 98.335 / 20.4 V= 120.453 / .9 W= 1.842032 / 9.4 T= 100.571 / 14.5 LAT= 54.0 U= 139.782 / 19.7 V= 157.786 / .8 W= 1.941979 / .7 T= 100.571 / 14.5 LAT= 54.0 U= 139.782 / 19.7 V= 157.786 / .8 W= 1.590581 / .8 W= 1.590581 / .8 W= 1.761 / 14.3 LAT= 60.0 U= 158.388 / 18.5 V= 189.319 / .8 W= 1.590581 / .8 W= 1.590581 / .8 W= 1.761 / 14.3 LAT= 60.0 U= 158.388 / 18.5 V= 157.786 / .8 W= 1.20737 / .4 O T= 60.074 / 14.7 LAT= 60.0 U= 158.388 / 18.5 V= 174.110 / .8 W= 1.699426 / 2.3 T= 40.820 / 15.5 LAT= 72.0 U= 164.588 / 18.4 V= 203.624 / 1.0 W= 1.699426 / 1.5 T= 26.559 / 17.2
LAT=-72.0 U= 130.721 / 19.3 V= 120.053 / 12.9 W= .739488 / 11.6 T= 41.483 / 16.4 LAT=-66.0 U= 136.400 / 19.6 V= 116.920 / 13.0 W= 1.339194 / 11.6 T= 64.598 / 16.2 LAT==60.0 U= 139.010 / 19.8 V= 110.809 / 13.1 W= 1.779700 / 11.6 T= 80.310 / 16.0 LAT=-54.0 U= 119.968 / 19.8 V= 101.710 / 13.2 W= 2.060535 / 11.5 T= 89.018 / 15.7 LAT=-48.0 U= 98.825 / 19.9 V= 91.018 / 13.2 W= 2.060535 / 11.5 T= 89.018 / 15.7 LAT=-42.0 U= 85.747 / 19.9 V= 79.403 / 13.2 W= 2.305739 / 11.5 T= 90.829 / 15.8 LAT=-36.0 U= 80.707 / 19.9 V= 66.948 / 13.0 W= 2.546006 / 11.4 T= 126.982 / 15.1 LAT=-30.0 U= 65.596 / 19.9 V= 53.748 / 12.8 W= 2.505739 / 11.4 T= 126.076 / 15.1 LAT=-24.0 U= 57.022 / 20.0 V= 40.251 / 12.4 W= 2.600913 / 11.2 T= 131.110 / 15.1 LAT=-18.0 U= 55.142 / 20.2 V= 26.288 / 11.8 W= 2.761854 / 10.9 T= 141.524 / 15.0 LAT=-12.0 U= 53.074 / 20.5 V= 11.515 / 10.6 W= 2.810664 / 10.6 T= 135.786 / 14.9 LAT= -6.0 U= 53.228 / 20.8 V= 7.081 / 2.3 W= 2.849728 / 10.4 T= 131.243 / 14.9 LAT= 60.0 U= 56.179 / 20.7 V= 39.219 / 24.0 W= 2.733999 / 10.1 T= 132.748 / 14.7 LAT= 18.0 U= 62.040 / 20.3 V= 66.102 / 1 W= 2.411602 / 10.0 T= 139.406 / 14.5 LAT= 18.0 U= 67.975 / 20.1 V= 77.269 / .4 W= 2.208615 / 10.0 T= 131.146 / 14.4 LAT= 30.0 U= 75.987 / 20.1 V= 77.269 / .4 W= 2.208615 / 10.0 T= 131.146 / 14.4 LAT= 30.0 U= 85.986 / 20.2 V= 103.334 / .8 W= 1.941979 / .7 T= 100.571 / 14.5 LAT= 42.0 U= 139.782 / 19.7 V= 157.786 / .8 W= 1.941979 / .7 T= 100.571 / 14.5 LAT= 42.0 U= 139.782 / 19.7 V= 157.786 / .8 W= 1.941979 / .7 T= 100.571 / 14.5 LAT= 42.0 U= 139.782 / 19.7 V= 157.786 / .8 W= 1.941979 / .7 T= 100.571 / 14.5 LAT= 60.0 U= 139.782 / 19.7 V= 157.786 / .8 W= 1.590581 / 8.6 T= 90.981 / 14.5 LAT= 60.0 U= 148.553 / 18.9 V= 174.110 / .8 W= 1.210737 / 4.0 T= 60.074 / 14.3 LAT= 60.0 U= 158.388 / 18.5 V= 189.319 / .8 W= 1.210737 / 4.0 T= 60.074 / 14.7 LAT= 60.0 U= 158.388 / 18.5 V= 157.786 / .8 W= 1.482286 / 2.3 T= 40.820 / 15.5 LAT= 72.0 U= 164.588 / 18.4 V= 203.624 / 1.0 W= 1.699426 / 1.5 T= 26.559 / 17.2
LAT=-60.0 U= 133.010 / 19.8 V= 110.809 / 13.1 W= 1.779700 / 11.6 T= 80.310 / 16.0 LAT=-54.0 U= 119.968 / 19.8 V= 101.710 / 13.2 W= 2.060535 / 11.5 T= 89.018 / 15.7 LAT=-48.0 U= 96.825 / 19.9 V= 91.018 / 13.2 W= 2.146478 / 11.6 T= 90.829 / 15.8 LAT=-36.0 U= 85.747 / 19.9 V= 79.403 / 13.2 W= 2.305739 / 11.5 T= 103.173 / 15.5 LAT=-336.0 U= 80.707 / 19.9 V= 66.948 / 13.0 W= 2.545006 / 11.4 T= 126.982 / 15.1 LAT=-30.0 U= 65.596 / 19.9 V= 53.748 / 12.8 W= 2.535262 / 11.4 T= 126.982 / 15.1 LAT=-24.0 U= 57.022 / 20.0 V= 40.251 / 12.4 W= 2.600913 / 11.2 T= 131.110 / 15.1 LAT=-18.0 U= 55.142 / 20.2 V= 26.288 / 11.8 W= 2.761854 / 10.9 T= 141.524 / 15.0 LAT=-10.0 U= 53.228 / 20.8 V= 7.081 / 2.3 W= 2.810664 / 10.6 T= 135.786 / 14.9 LAT= -6.0 U= 53.228 / 20.8 V= 7.081 / 2.3 W= 2.810664 / 10.4 T= 131.243 / 14.9 LAT= 0.0 U= 54.887 / 20.9 V= 23.118 / .3 W= 2.826795 / 10.2 T= 130.433 / 14.7 LAT= 12.0 U= 58.412 / 20.5 V= 53.745 / 24.0 W= 2.733999 / 10.1 T= 132.748 / 14.7 LAT= 12.0 U= 66.040 / 20.3 V= 66.102 / .1 W= 2.411602 / 10.0 T= 139.406 / 14.5 LAT= 30.0 U= 75.987 / 20.1 V= 77.269 / .4 W= 2.208615 / 10.0 T= 139.406 / 14.5 LAT= 30.0 U= 85.986 / 20.2 V= 103.334 / .8 W= 1.941979 / 9.7 T= 110.153 / 14.3 LAT= 36.0 U= 85.986 / 20.2 V= 103.334 / .8 W= 1.941979 / 9.7 T= 110.153 / 14.3 LAT= 42.0 U= 98.335 / 20.4 V= 120.453 / .9 W= 1.842032 / 9.4 T= 100.571 / 14.5 LAT= 54.0 U= 139.782 / 19.7 V= 157.786 / .8 W= 1.342264 / 6.9 T= 81.761 / 14.3 LAT= 54.0 U= 139.782 / 19.7 V= 157.786 / .8 W= 1.210737 / 4.0 T= 60.074 / 14.7 LAT= 60.0 U= 158.388 / 18.5 V= 174.110 / .8 W= 1.482286 / 2.3 T= 40.820 / 15.5 LAT= 60.0 U= 158.388 / 18.5 V= 189.319 / .8 W= 1.482286 / 2.3 T= 40.820 / 15.5 LAT= 60.0 U= 164.588 / 18.4 V= 203.624 / 1.0 W= 1.699426 / 1.5 T= 26.559 / 17.2
LAT=-54.0 U= 119.968 / 19.8 V= 101.710 / 13.2 W= 2.060535 / 11.5 T= 89.018 / 15.7 LAT=-48.0 U= 98.825 / 19.9 V= 91.018 / 13.2 W= 2.060535 / 11.5 T= 89.018 / 15.7 LAT=-42.0 U= 85.747 / 19.9 V= 79.403 / 13.2 W= 2.305739 / 11.5 T= 103.173 / 15.5 LAT=-36.0 U= 80.707 / 19.9 V= 66.948 / 13.0 W= 2.545006 / 11.4 T= 126.982 / 15.1 LAT=-30.0 U= 65.596 / 19.9 V= 53.748 / 12.8 W= 2.505262 / 11.4 T= 126.076 / 15.1 LAT=-24.0 U= 57.022 / 20.0 V= 40.251 / 12.4 W= 2.600913 / 11.2 T= 131.110 / 15.1 LAT=-18.0 U= 55.142 / 20.2 V= 26.288 / 11.8 W= 2.761854 / 10.9 T= 141.524 / 15.0 LAT=-12.0 U= 53.074 / 20.5 V= 11.515 / 10.6 W= 2.810664 / 10.6 T= 135.786 / 14.9 LAT=-6.0 U= 53.074 / 20.8 V= 7.081 / 2.3 W= 2.849728 / 10.4 T= 131.243 / 14.9 LAT=-6.0 U= 56.179 / 20.7 V= 39.219 / 24.0 W= 2.733999 / 10.1 T= 132.748 / 14.7 LAT= 12.0 U= 58.412 / 20.5 V= 53.745 / 24.0 W= 2.579288 / 10.1 T= 132.748 / 14.6 LAT= 18.0 U= 62.040 / 20.3 V= 66.102 / 1 W= 2.411602 / 10.0 T= 139.406 / 14.5 LAT= 24.0 U= 67.975 / 20.1 V= 77.269 / .4 W= 2.208615 / 10.0 T= 131.146 / 14.4 LAT= 30.0 U= 75.987 / 20.1 V= 77.269 / .4 W= 2.208615 / 10.0 T= 131.146 / 14.4 LAT= 30.0 U= 85.986 / 20.2 V= 103.334 / .8 W= 1.941979 / 9.7 T= 110.153 / 14.3 LAT= 42.0 U= 98.335 / 20.4 V= 120.453 / .9 W= 1.842032 / 9.4 T= 100.571 / 14.5 LAT= 54.0 U= 139.782 / 19.7 V= 157.786 / .8 W= 1.590581 / 8.6 T= 90.981 / 14.5 LAT= 60.0 U= 148.553 / 18.9 V= 174.110 / .8 W= 1.210737 / 4.0 T= 60.074 / 14.3 LAT= 60.0 U= 158.388 / 18.5 V= 189.319 / .8 W= 1.482286 / 6.9 T= 81.761 / 14.3 LAT= 60.0 U= 158.388 / 18.5 V= 189.319 / .8 W= 1.699426 / 1.5 T= 60.559 / 17.2
LAT=-48.0 U= 98.825 / 19.9 V= 91.018 / 13.2 W= 2.146478 / 11.6 T= 90.829 / 15.8 LAT=-42.0 U= 85.747 / 19.9 V= 79.403 / 13.2 W= 2.305739 / 11.5 T= 103.173 / 15.5 LAT=-36.0 U= 80.707 / 19.9 V= 66.948 / 13.0 W= 2.545006 / 11.4 T= 126.076 / 15.1 LAT=-30.0 U= 65.596 / 19.9 V= 53.748 / 12.8 W= 2.535262 / 11.4 T= 126.076 / 15.1 LAT=-24.0 U= 57.022 / 20.0 V= 40.251 / 12.4 W= 2.600913 / 11.2 T= 131.110 / 15.1 LAT=-18.0 U= 55.142 / 20.2 V= 26.288 / 11.8 W= 2.761854 / 10.9 T= 141.524 / 15.0 LAT=-12.0 U= 53.228 / 20.8 V= 7.081 / 2.3 W= 2.849728 / 10.4 T= 135.786 / 14.9 LAT= -6.0 U= 53.228 / 20.8 V= 7.081 / 2.3 W= 2.849728 / 10.4 T= 131.243 / 14.9 LAT= 6.0 U= 56.179 / 20.7 V= 39.219 / 24.0 W= 2.733999 / 10.1 T= 132.748 / 14.7 LAT= 12.0 U= 58.412 / 20.5 V= 53.745 / 24.0 W= 2.579288 / 10.1 T= 136.551 / 14.6 LAT= 18.0 U= 62.040 / 20.3 V= 66.102 / .1 W= 2.411602 / 10.0 T= 139.406 / 14.5 LAT= 30.0 U= 75.987 / 20.1 V= 77.269 / .4 W= 2.208615 / 10.0 T= 131.146 / 14.3 LAT= 36.0 U= 85.986 / 20.2 V= 103.334 / .8 W= 1.941979 / 9.7 T= 110.153 / 14.3 LAT= 48.0 U= 15.778 / 20.1 V= 89.549 / .7 W= 2.055098 / 9.9 T= 121.187 / 14.3 LAT= 48.0 U= 15.778 / 20.1 V= 138.592 / .9 W= 1.590581 / 8.6 T= 90.981 / 14.5 LAT= 54.0 U= 139.782 / 19.7 V= 157.786 / .8 W= 1.342264 / 6.9 T= 81.761 / 14.3 LAT= 60.0 U= 158.388 / 18.5 V= 174.110 / .8 W= 1.210737 / 4.0 T= 60.074 / 14.7 LAT= 60.0 U= 158.388 / 18.5 V= 174.110 / .8 W= 1.210737 / 4.0 T= 60.074 / 14.7 LAT= 60.0 U= 158.388 / 18.5 V= 189.319 / .8 W= 1.482286 / 2.3 T= 40.820 / 15.5 LAT= 72.0 U= 164.588 / 18.4 V= 203.624 / 1.0 W= 1.699426 / 1.5 T= 26.559 / 17.2
LAT=-42.0 U= 85.747 / 19.9 V= 79.403 / 13.2 W= 2.305739 / 11.5 T= 103.173 / 15.5 LAT=-36.0 U= 80.707 / 19.9 V= 66.948 / 13.0 W= 2.545006 / 11.4 T= 126.982 / 15.1 LAT=-30.0 U= 65.596 / 19.9 V= 53.748 / 12.8 W= 2.535262 / 11.4 T= 126.982 / 15.1 LAT=-24.0 U= 57.022 / 20.0 V= 40.251 / 12.4 W= 2.600913 / 11.2 T= 131.110 / 15.1 LAT=-18.0 U= 55.142 / 20.2 V= 26.288 / 11.8 W= 2.761854 / 10.9 T= 141.524 / 15.0 LAT=-12.0 U= 53.074 / 20.5 V= 11.515 / 10.6 W= 2.810664 / 10.9 T= 145.786 / 14.9 LAT= -6.0 U= 53.228 / 20.8 V= 7.081 / 2.3 W= 2.849728 / 10.4 T= 131.243 / 14.9 LAT= 0.0 U= 54.887 / 20.9 V= 23.118 / .3 W= 2.826795 / 10.2 T= 130.433 / 14.7 LAT= 6.0 U= 56.179 / 20.7 V= 39.219 / 24.0 W= 2.73399 / 10.1 T= 132.748 / 14.7 LAT= 12.0 U= 58.412 / 20.5 V= 53.745 / 24.0 W= 2.579288 / 10.1 T= 136.551 / 14.6 LAT= 18.0 U= 62.040 / 20.3 V= 66.102 / .1 W= 2.411602 / 10.0 T= 139.406 / 14.5 LAT= 30.0 U= 75.987 / 20.1 V= 77.269 / .4 W= 2.208615 / 10.0 T= 131.146 / 14.4 LAT= 30.0 U= 85.986 / 20.2 V= 103.334 / .8 W= 1.941979 / 9.7 T= 110.153 / 14.3 LAT= 42.0 U= 98.335 / 20.4 V= 120.453 / .9 W= 1.842032 / 9.4 T= 100.571 / 14.5 LAT= 54.0 U= 139.782 / 19.7 V= 157.786 / .8 W= 1.342264 / 6.9 T= 81.761 / 14.3 LAT= 60.0 U= 148.553 / 18.9 V= 174.110 / .8 W= 1.210737 / 4.0 T= 60.074 / 14.7 LAT= 60.0 U= 158.388 / 18.5 V= 189.319 / .8 W= 1.482286 / 2.3 T= 40.820 / 15.5 LAT= 72.0 U= 164.588 / 18.4 V= 203.624 / 1.0 W= 1.699426 / 1.5 T= 26.559 / 17.2
LAT=-36.0 U= 80.707 / 19.9 V= 66.948 / 13.0 W= 2.545006 / 11.4 T= 126.982 / 15.1 LAT=-30.0 U= 65.596 / 19.9 V= 53.748 / 12.8 W= 2.535262 / 11.4 T= 126.076 / 15.1 LAT=-24.0 U= 57.022 / 20.0 V= 40.251 / 12.4 W= 2.600913 / 11.2 T= 131.110 / 15.1 LAT=-18.0 U= 55.142 / 20.2 V= 26.288 / 11.8 W= 2.761854 / 10.9 T= 141.524 / 15.0 LAT=-12.0 U= 53.074 / 20.5 V= 11.515 / 10.6 W= 2.810664 / 10.6 T= 135.786 / 14.9 LAT= -6.0 U= 53.228 / 20.8 V= 7.081 / 2.3 W= 2.849728 / 10.4 T= 131.243 / 14.9 LAT= 0.0 U= 54.887 / 20.9 V= 23.118 / .3 W= 2.849728 / 10.4 T= 131.243 / 14.9 LAT= 6.0 U= 56.179 / 20.7 V= 39.219 / 24.0 W= 2.733999 / 10.1 T= 132.748 / 14.7 LAT= 12.0 U= 58.412 / 20.5 V= 53.745 / 24.0 W= 2.579288 / 10.1 T= 132.748 / 14.6 LAT= 18.0 U= 62.040 / 20.3 V= 66.102 / .1 W= 2.411602 / 10.0 T= 131.146 / 14.6 LAT= 24.0 U= 67.975 / 20.1 V= 77.269 / .4 W= 2.208615 / 10.0 T= 131.146 / 14.3 LAT= 30.0 U= 85.986 / 20.2 V= 103.334 / .8 W= 1.941979 / 9.7 T= 110.153 / 14.3 LAT= 42.0 U= 98.335 / 20.4 V= 120.453 / .9 W= 1.941979 / 9.7 T= 110.153 / 14.5 LAT= 48.0 U= 139.782 / 19.7 V= 157.786 / .8 W= 1.342264 / 6.9 T= 0.981 / 14.5 LAT= 54.0 U= 139.782 / 19.7 V= 157.786 / .8 W= 1.342264 / 6.9 T= 0.981 / 14.5 LAT= 60.0 U= 158.388 / 18.5 V= 189.319 / .8 W= 1.210737 / 4.0 T= 60.074 / 14.3 LAT= 60.0 U= 158.388 / 18.5 V= 189.319 / .8 W= 1.210737 / 4.0 T= 60.074 / 14.7 LAT= 66.0 U= 158.388 / 18.5 V= 189.319 / .8 W= 1.482286 / 2.3 T= 40.820 / 15.5 LAT= 72.0 U= 164.588 / 18.4 V= 203.624 / 1.0 W= 1.699426 / 1.5 T= 26.559 / 17.2
LAT=-30.0 U= 65.596 / 19.9 V= 53.748 / 12.8 W= 2.535262 / 11.4 T= 126.076 / 15.1 LAT=-24.0 U= 57.022 / 20.0 V= 40.251 / 12.4 W= 2.600913 / 11.2 T= 131.110 / 15.1 LAT=-18.0 U= 55.142 / 20.2 V= 26.288 / 11.8 W= 2.761854 / 10.9 T= 141.524 / 15.0 LAT=-12.0 U= 53.074 / 20.5 V= 11.515 / 10.6 W= 2.810664 / 10.6 T= 135.786 / 14.9 LAT= 0.0 U= 54.887 / 20.9 V= 23.118 / .3 W= 2.826795 / 10.2 T= 130.433 / 14.7 LAT= 6.0 U= 56.179 / 20.7 V= 39.219 / 24.0 W= 2.733999 / 10.1 T= 132.748 / 14.7 LAT= 12.0 U= 58.412 / 20.5 V= 53.745 / 24.0 W= 2.579288 / 10.1 T= 136.551 / 14.6 LAT= 18.0 U= 62.040 / 20.3 V= 66.102 / .1 W= 2.411602 / 10.0 T= 139.406 / 14.5 LAT= 24.0 U= 67.975 / 20.1 V= 77.269 / .4 W= 2.208615 / 10.0 T= 131.146 / 14.4 LAT= 36.0 U= 85.986 / 20.2 V= 103.334 / .8 W= 1.941979 / 9.7 T= 110.153 / 14.3 LAT= 42.0 U= 98.335 / 20.4 V= 120.453 / .9 W= 1.842032 / 9.4 T= 100.571 / 14.5 LAT= 44.0 U= 115.778 / 20.1 V= 138.592 / .9 W= 1.590581 / 8.6 T= 90.981 / 14.5 LAT= 54.0 U= 139.782 / 19.7 V= 157.786 / .8 W= 1.342264 / 6.9 T= 0.981 / 14.5 LAT= 60.0 U= 148.553 / 18.9 V= 174.110 / .8 W= 1.210737 / 4.0 T= 60.0074 / 14.5 LAT= 60.0 U= 158.388 / 18.5 V= 189.319 / .8 W= 1.210737 / 4.0 T= 60.0074 / 14.7 LAT= 66.0 U= 158.388 / 18.5 V= 189.319 / .8 W= 1.210737 / 4.0 T= 60.559 / 17.2
LAT=-24.0 U= 57.022 / 20.0 V= 40.251 / 12.4 W= 2.600913 / 11.2 T= 131.110 / 15.1 LAT=-18.0 U= 55.142 / 20.2 V= 26.28B / 11.8 W= 2.761854 / 10.9 T= 141.524 / 15.0 LAT=-12.0 U= 53.074 / 20.5 V= 11.515 / 10.6 W= 2.810664 / 10.6 T= 135.786 / 14.9 LAT= -6.0 U= 53.22B / 20.8 V= 7.081 / 2.3 W= 2.826795 / 10.4 T= 131.243 / 14.9 LAT= 0.0 U= 54.887 / 20.9 V= 23.118 / .3 W= 2.826795 / 10.2 T= 130.433 / 14.7 LAT= 12.0 U= 58.412 / 20.5 V= 53.745 / 24.0 W= 2.733999 / 10.1 T= 132.748 / 14.7 LAT= 12.0 U= 58.412 / 20.5 V= 53.745 / 24.0 W= 2.733999 / 10.1 T= 132.748 / 14.7 LAT= 18.0 U= 62.040 / 20.3 V= 66.102 / .1 W= 2.411602 / 10.0 T= 139.406 / 14.5 LAT= 30.0 U= 75.987 / 20.1 V= 77.269 / .4 W= 2.206615 / 10.0 T= 139.406 / 14.5 LAT= 30.0 U= 85.986 / 20.2 V= 103.334 / .8 W= 1.941979 / 9.7 T= 110.153 / 14.3 LAT= 36.0 U= 85.986 / 20.2 V= 103.334 / .8 W= 1.941979 / 9.7 T= 110.153 / 14.3 LAT= 48.0 U= 15.778 / 20.1 V= 78.985 / .9 W= 1.842032 / 9.4 T= 100.571 / 14.5 LAT= 54.0 U= 139.782 / 19.7 V= 157.786 / .8 W= 1.342264 / 6.9 T= 81.761 / 14.3 LAT= 60.0 U= 158.388 / 18.5 V= 189.319 / .8 W= 1.210737 / 4.0 T= 60.074 / 14.7 LAT= 66.0 U= 158.388 / 18.5 V= 189.319 / .8 W= 1.482286 / 2.3 T= 40.820 / 15.5 LAT= 72.0 U= 164.588 / 18.4 V= 203.624 / 1.0 W= 1.699426 / 1.5 T= 26.559 / 17.2
LAT=-18.0 U= 55.142 / 20.2 V= 26.288 / 11.8 W= 2.761854 / 10.9 T= 141.524 / 15.0 LAT=-12.0 U= 53.074 / 20.5 V= 11.515 / 10.6 W= 2.810664 / 10.6 T= 135.786 / 14.9 LAT= -6.0 U= 53.228 / 20.8 V= 7.081 / 2.3 W= 2.849728 / 10.4 T= 131.243 / 14.9 LAT= 0.0 U= 54.887 / 20.9 V= 23.118 / .3 W= 2.826795 / 10.2 T= 130.433 / 14.7 LAT= 6.0 U= 56.179 / 20.7 V= 39.219 / 24.0 W= 2.733999 / 10.1 T= 132.748 / 14.7 LAT= 12.0 U= 58.412 / 20.5 V= 53.745 / 24.0 W= 2.579288 / 10.1 T= 132.748 / 14.6 LAT= 18.0 U= 62.040 / 20.3 V= 66.102 / .1 W= 2.411602 / 10.0 T= 139.406 / 14.5 LAT= 24.0 U= 67.975 / 20.1 V= 77.269 / .4 W= 2.208615 / 10.0 T= 131.146 / 14.4 LAT= 30.0 U= 75.987 / 20.1 V= 89.549 / .7 W= 2.055098 / 9.9 T= 121.187 / 14.3 LAT= 36.0 U= 85.986 / 20.2 V= 103.334 / .8 W= 1.941979 / 9.7 T= 110.153 / 14.3 LAT= 42.0 U= 98.335 / 20.4 V= 120.453 / .9 W= 1.842032 / 9.4 T= 100.571 / 14.5 LAT= 48.0 U= 115.778 / 20.1 V= 138.592 / .9 W= 1.590581 / 8.6 T= 90.981 / 14.5 LAT= 54.0 U= 139.782 / 19.7 V= 157.786 / .8 W= 1.342264 / 6.9 T= 81.761 / 14.3 LAT= 60.0 U= 148.553 / 18.9 V= 174.110 / .8 W= 1.210737 / 4.0 T= 60.074 / 14.7 LAT= 66.0 U= 158.388 / 18.5 V= 189.319 / .8 W= 1.482286 / 2.3 T= 40.820 / 15.5 LAT= 72.0 U= 164.588 / 18.4 V= 203.624 / 1.0 W= 1.699426 / 1.5 T= 26.559 / 17.2
LAT = -6.0
LAT= 0.0 U= 54.887 / 20.9 V= 23.118 / .3 W= 2.826795 / 10.2 T= 130.433 / 14.7 LAT= 6.0 U= 56.179 / 20.7 V= 39.219 / 24.0 W= 2.733999 / 10.1 T= 132.748 / 14.7 LAT= 12.0 U= 58.412 / 20.5 V= 53.745 / 24.0 W= 2.579288 / 10.1 T= 136.551 / 14.6 LAT= 18.0 U= 62.040 / 20.3 V= 66.102 / .1 W= 2.411602 / 10.0 T= 139.406 / 14.5 LAT= 24.0 U= 67.975 / 20.1 V= 77.269 / .4 W= 2.208615 / 10.0 T= 131.146 / 14.4 LAT= 30.0 U= 75.987 / 20.1 V= 89.549 / .7 W= 2.055098 / 9.9 T= 121.187 / 14.3 LAT= 36.0 U= 85.986 / 20.2 V= 103.334 / .8 W= 1.941979 / 9.7 T= 110.153 / 14.3 LAT= 42.0 U= 98.335 / 20.4 V= 120.453 / .9 W= 1.842032 / 9.4 T= 100.571 / 14.5 LAT= 48.0 U= 15.778 / 20.1 V= 138.592 / .9 W= 1.590581 / 8.6 T= 90.981 / 14.5 LAT= 54.0 U= 139.782 / 19.7 V= 157.786 / .8 W= 1.342264 / 6.9 T= 81.761 / 14.3 LAT= 60.0 U= 148.553 / 18.9 V= 174.110 / .8 W= 1.210737 / 4.0 T= 60.074 / 14.7 LAT= 66.0 U= 158.388 / 18.5 V= 189.319 / .8 W= 1.482286 / 2.3 T= 40.820 / 15.5 LAT= 72.0 U= 164.588 / 18.4 V= 203.624 / 1.0 W= 1.699426 / 1.5 T= 26.559 / 17.2
LAT= 6.0 U= 56.179 / 20.7 V= 39.219 / 24.0 W= 2.733999 / 10.1 T= 132.748 / 14.7 LAT= 12.0 U= 58.412 / 20.5 V= 53.745 / 24.0 W= 2.579288 / 10.1 T= 136.551 / 14.6 LAT= 18.0 U= 62.040 / 20.3 V= 66.102 / .1 W= 2.411602 / 10.0 T= 139.406 / 14.5 LAT= 24.0 U= 67.975 / 20.1 V= 77.269 / .4 W= 2.208615 / 10.0 T= 131.146 / 14.4 LAT= 30.0 U= 75.987 / 20.1 V= 89.549 / .7 W= 2.055098 / 9.9 T= 121.187 / 14.3 LAT= 36.0 U= 85.986 / 20.2 V= 103.334 / .8 W= 1.941979 / 9.7 T= 110.153 / 14.3 LAT= 48.0 U= 98.335 / 20.4 V= 120.453 / .9 W= 1.842032 / 9.4 T= 100.571 / 14.5 LAT= 48.0 U= 115.778 / 20.1 V= 138.592 / .9 W= 1.590581 / 8.6 T= 90.981 / 14.5 LAT= 54.0 U= 139.782 / 19.7 V= 157.786 / .8 W= 1.342264 / 6.9 T= 81.761 / 14.3 LAT= 60.0 U= 148.553 / 18.9 V= 174.110 / .8 W= 1.210737 / 4.0 T= 60.074 / 14.7 LAT= 66.0 U= 158.388 / 18.5 V= 189.319 / .8 W= 1.482286 / 2.3 T= 40.820 / 15.5 LAT= 72.0 U= 164.588 / 18.4 V= 203.624 / 1.0 W= 1.699426 / 1.5 T= 26.559 / 17.2
LAT = 12.0 U = 58.412 / 20.5 V = 53.745 / 24.0 W = 2.579288 / 10.1 T = 136.551 / 14.6 LAT = 18.0 U = 62.040 / 20.3 V = 66.102 / .1 W = 2.411602 / 10.0 T = 139.406 / 14.5 LAT = 24.0 U = 67.975 / 20.1 V = 77.269 / .4 W = 2.208615 / 10.0 T = 131.146 / 14.4 LAT = 30.0 U = 75.987 / 20.1 V = 89.549 / .7 W = 2.055098 / 9.9 T = 121.187 / 14.3 LAT = 36.0 U = 85.986 / 20.2 V = 103.334 / .8 W = 1.941979 / 9.7 T = 110.153 / 14.3 LAT = 42.0 U = 98.335 / 20.4 V = 120.453 / .9 W = 1.842032 / 9.4 T = 100.571 / 14.5 LAT = 48.0 U = 115.778 / 20.1 V = 138.592 / .9 W = 1.590581 / 8.6 T = 90.981 / 14.5 LAT = 54.0 U = 139.782 / 19.7 V = 157.786 / .8 W = 1.342264 / 6.9 T = 81.761 / 14.3 LAT = 60.0 U = 148.553 / 18.9 V = 174.110 / .8 W = 1.210737 / 4.0 T = 60.074 / 14.7 LAT = 66.0 U = 158.388 / 18.5 V = 189.319 / .8 W = 1.482286 / 2.3 T = 40.820 / 15.5 LAT = 72.0 U = 164.588 / 18.4 V = 203.624 / 1.0 W = 1.699426 / 1.5 T = 26.559 / 17.2
LAT = 18.0 U = 62.040 / 20.3 V = 66.102 / .1 W = 2.411602 / 10.0 T = 139.406 / 14.5 LAT = 24.0 U = 67.975 / 20.1 V = 77.269 / .4 W = 2.208615 / 10.0 T = 131.146 / 14.4 LAT = 30.0 U = 75.987 / 20.1 V = 89.549 / .7 W = 2.055098 / 9.9 T = 121.187 / 14.3 LAT = 36.0 U = 85.986 / 20.2 V = 103.334 / .8 W = 1.941979 / 9.7 T = 110.153 / 14.3 LAT = 42.0 U = 98.335 / 20.4 V = 120.453 / .9 W = 1.842032 / 9.4 T = 100.571 / 14.5 LAT = 48.0 U = 15.778 / 20.1 V = 138.592 / .9 W = 1.590581 / 8.6 T = 90.981 / 14.5 LAT = 54.0 U = 139.782 / 19.7 V = 157.786 / .8 W = 1.342264 / 6.9 T = 81.761 / 14.3 LAT = 60.0 U = 148.553 / 18.9 V = 174.110 / .8 W = 1.210737 / 4.0 T = 60.074 / 14.7 LAT = 66.0 U = 158.388 / 18.5 V = 189.319 / .8 W = 1.482286 / 2.3 T = 40.820 / 15.5 LAT = 72.0 U = 164.588 / 18.4 V = 203.624 / 1.0 W = 1.699426 / 1.5 T = 26.559 / 17.2
LAT= 24.0 U= 67.975 / 20.1 V= 77.269 / .4 W= 2.208615 / 10.0 T= 131.146 / 14.4 LAT= 30.0 U= 75.987 / 20.1 V= 89.549 / .7 W= 2.055098 / 9.9 T= 121.187 / 14.3 LAT= 36.0 U= 85.986 / 20.2 V= 103.334 / .8 W= 1.941979 / 9.7 T= 110.153 / 14.3 LAT= 42.0 U= 98.335 / 20.4 V= 120.453 / .9 W= 1.842032 / 9.4 T= 100.571 / 14.5 LAT= 48.0 U= 115.778 / 20.1 V= 138.592 / .9 W= 1.590581 / 8.6 T= 90.981 / 14.5 LAT= 54.0 U= 139.782 / 19.7 V= 157.786 / .8 W= 1.342264 / 6.9 T= 81.761 / 14.3 LAT= 60.0 U= 148.553 / 18.9 V= 174.110 / .8 W= 1.210737 / 4.0 T= 60.074 / 14.7 LAT= 66.0 U= 158.388 / 18.5 V= 189.319 / .8 W= 1.482286 / 2.3 T= 40.820 / 15.5 LAT= 72.0 U= 164.588 / 18.4 V= 203.624 / 1.0 W= 1.699426 / 1.5 T= 26.559 / 17.2
LAT= 30.0 U= 75.987 / 20.1 V= 89.549 / .7 W= 2.055098 / 9.9 T= 121.187 / 14.3 LAT= 36.0 U= 85.986 / 20.2 V= 103.334 / .8 W= 1.941979 / 9.7 T= 110.153 / 14.3 LAT= 42.0 U= 98.335 / 20.4 V= 120.453 / .9 W= 1.842032 / 9.4 T= 100.571 / 14.5 LAT= 48.0 U= 115.778 / 20.1 V= 138.592 / .9 W= 1.590581 / 8.6 T= 90.981 / 14.5 LAT= 54.0 U= 139.782 / 19.7 V= 157.786 / .8 W= 1.342264 / 6.9 T= 81.761 / 14.3 LAT= 60.0 U= 148.553 / 18.9 V= 174.110 / .8 W= 1.210737 / 4.0 T= 60.074 / 14.7 LAT= 66.0 U= 158.388 / 18.5 V= 189.319 / .8 W= 1.482286 / 2.3 T= 40.820 / 15.5 LAT= 72.0 U= 164.588 / 18.4 V= 203.624 / 1.0 W= 1.699426 / 1.5 T= 26.559 / 17.2
LAT= 36.0 U= 85.986 / 20.2 V= 103.334 / .8 W= 1.941979 / 9.7 T= 110.153 / 14.3 LAT= 42.0 U= 98.335 / 20.4 V= 120.453 / .9 W= 1.842032 / 9.4 T= 100.571 / 14.5 LAT= 48.0 U= 115.778 / 20.1 V= 138.592 / .9 W= 1.590581 / 8.6 T= 90.981 / 14.5 LAT= 54.0 U= 139.782 / 19.7 V= 157.786 / .8 W= 1.342264 / 6.9 T= 81.761 / 14.3 LAT= 60.0 U= 148.553 / 18.9 V= 174.110 / .8 W= 1.210737 / 4.0 T= 60.074 / 14.7 LAT= 66.0 U= 158.388 / 18.5 V= 189.319 / .8 W= 1.482286 / 2.3 T= 40.820 / 15.5 LAT= 72.0 U= 164.588 / 18.4 V= 203.624 / 1.0 W= 1.699426 / 1.5 T= 26.559 / 17.2
LAT= 48.0
LAT= 54.0 U= 139.782 / 19.7 V= 157.786 / .8 W= 1.342264 / 6.9 T= 81.761 / 14.3 LAT= 60.0 U= 148.553 / 18.9 V= 174.110 / .8 W= 1.210737 / 4.0 T= 60.074 / 14.7 LAT= 66.0 U= 158.388 / 18.5 V= 189.319 / .8 W= 1.482286 / 2.3 T= 40.820 / 15.5 LAT= 72.0 U= 164.588 / 18.4 V= 203.624 / 1.0 W= 1.699426 / 1.5 T= 26.559 / 17.2
LAT= 60.0 U= 148.553 / 18.9 V= 174.110 / .8 W= 1.210737 / 4.0 T= 60.074 / 14.7 LAT= 66.0 U= 158.388 / 18.5 V= 189.319 / .8 W= 1.482286 / 2.3 T= 40.820 / 15.5 LAT= 72.0 U= 164.588 / 18.4 V= 203.624 / 1.0 W= 1.699426 / 1.5 T= 26.559 / 17.2
LAT = 66.0 U= 158.388 / 18.5 V= 189.319 / .8 W= 1.482286 / 2.3 T= 40.820 / 15.5 LAT = 72.0 U= 164.588 / 18.4 V= 203.624 / 1.0 W= 1.699426 / 1.5 T= 26.559 / 17.2
LAT= 72.0 U= 164.588 / 18.4 V= 203.624 / 1.0 W= 1.699426 / 1.5 T= 26.559 / 17.2
Z= 336.754 KM
LAT=-78.0 U= 131.773 / 19.2 V= 128.077 / 12.9 W= .284623 / 11.4 T= 26.264 / 16.3
LAT=-72.0 U= 139.256 / 19.4 V= 128.066 / 13.0 W= .845894 / 11.7 T= 41.922 / 16.6
LAT=-66.0 U= 146.257 / 19.6 V= 125.299 / 13.1 W= 1.549080 / 11.6 T= 65.344 / 16.4
LAT=-60.0 U= 142.938 / 19.8 V= 119.413 / 13.2 W= 2.070567 / 11.6 T= 81.296 / 16.1
LAT = 54.0 U= 129.057 / 19.9 V= 110.317 / 13.2 W= 2.409770 / 11.5 T= 90.091 / 15.8
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
LAT=-42.0 U= 92.229 / 19.9 V= 87.109 / 13.2 W= 2.733994 / 11.5 T= 104.780 / 15.6 LAT=-36.0 U= 86.908 / 19.9 V= 73.609 / 13.2 W= 3.038596 / 11.3 T= 129.281 / 15.2
LATE-30.0 U= 70.300 / 19.9 V= 59.340 / 12.9 W= 3.028999 / 11.2 T= 128.548 / 15.2
LATE-24.0 U= 60.917 / 20.0 V= 44.564 / 12.6 W= 3.110620 / 11.1 T= 133.942 / 15.1
LAT=-18.0 U= 58.936 / 20.2 V= 28.908 / 12.0 W= 3.303784 / 10.8 T= 145.079 / 15.0
LAT=-12.0 U= 56.835 / 20.5 V= 12.611 / 11.0 W= 3.344580 / 10.6 T= 139.487 / 14.9
LAT= -6.0 U= 56.927 / 20.7 V= 6.434 / 2.5 W= 3.377489 / 10.3 T= 135.206 / 14.9
LAT= 0.0 U= 58.679 / 20.8 V= 23.135 / .4 W= 3.350243 / 10.2 T= 134.660 / 14.8
LAT= 6.0 U= 60.252 / 20.6 V= 39.851 / .1 W= 3.262380 / 10.0 T= 137.044 / 14.7
LAT = 12.0 U= 62.827 / 20.4 V= 55.241 / 0.0 W= 3.105220 / 9.9 T= 140.966 / 14.5
LAT= 18.0 U= 66.818 / 20.2 V= 68.695 / .2 W= 2.925621 / 9.9 T= 143.822 / 14.5 LAT= 24.0 U= 72.928 / 20.1 V= 80.735 / .4 W= 2.683402 / 9.9 T= 135.188 / 14.5
LAT= 24.0 U= 72.928 / 20.1 V= 80.735 / .4 W= 2.683402 / 9.9 T= 135.188 / 14.5 LAT= 30.0 U= 81.332 / 20.2 V= 93.838 / .7 W= 2.494057 / 9.8 T= 124.848 / 14.4
LATE 36.0 U= 91.967 / 20.2 V= 108.379 / .8 W= 2.39895 / 9.6 T= 113.516 / 14.3
LAT= 42.0 U= 104.842 / 20.4 V= 126.332 / .9 W= 2.222836 / 9.2 T= 103.757 / 14.5
LAT= 48.0 U= 122.702 / 20.2 V= 145.300 / .9 W= 1.929302 / 8.5 T= 93.992 / 14.5
LAT= 54.0 U= 147.131 / 19.7 V= 165.329 / .8 W= 1.636324 / 6.9 T= 84.599 / 14.3
LAT= 60.0 U= 155.508 / 19.0 V= 182.245 / .8 W= 1.436219 / 4.0 T= 62.267 / 14.7
LAT = 66.0 U= 164.606 / 18.6 V= 197.864 / .8 W= 1.724300 / 2.2 T= 42.375 / 15.5
LAT= 72.0 U= 170.627 / 18.4 V= 212.407 / 1.0 W= 1.955579 / 1.4 T= 27.589 / 17.2
LAT = 78.0 U= 194.647 / 18.7 V= 230.675 / 1.2 W= 1.610034 / 1.4 T= 19.179 / 18.0

Table B2. Amplitude and Phase of Solar Diurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km at the December Solstice (Contd)

Z= 368.753	KM			
	U= 120 424 / 10 2	W 424 004 / 4B 0	244000 / 44 0	
LAT=-78.0	U= 139.434 / 19.3	V= 134.964 / 12.9	W= .341208 / 11.8	T= 26.955 / 16.3
LAT=-72.0	U= 147.155 / 19.5	V= 135.202 / 13.1	W= .975147 / 11.8	T= 43.025 / 16.6
LAT=-66.0	U= 154.983 / 19.8	V= 132.757 / 13.1	W= 1.782068 / 11.6	T= 67.128 / 16.4
LAT=-60.0	U= 151.757 / 19.9	V= 126.899 / 13.2	W= 2.382855 / 11.6	T= 83.492 / 16.2
LAT=-54.0	U= 137.121 / 19.9	V= 117.733 / 13.3 V= 106.390 / 13.3	W= 2.776114 / 11.5	T= 92.531 / 15.9 T= 94.632 / 16.0
LAT=-48.0	U= 112.926 / 19.9 U= 98.080 / 19.9	V= 106.390 / 13.3 V= 93.568 / 13.3	W= 2.921504 / 11.6 W= 3.172064 / 11.5	T= 107.659 / 15.7
LAT=~42.0 LAT=~36.0	U= 92.587 / 19.9	V= 79.327 / 13.2	W= 3.540641 / 11.3	T= 133.113 / 15.2
LAT=-30.0	U= 74.752 / 20.0	V= 79.327 / 13.2 V= 63.747 / 13.0	W= 3.526326 / 11.1	T= 132.404 / 15.2
LAT=-30.0	U= 64.853 / 20.0	V= 47.752 / 12.7	W= 3.624218 / 11.0	T= 138.202 / 15.2
LAT=-18.0	U= 62.983 / 20.2	V= 31.372 / 12.1	W= 3.851680 / 10.7	T= 149.955 / 15.1
LAT=-12.0	U= 60.495 / 20.5	V= 13.869 / 11.2	W= 3.885916 / 10.5	T= 144.515 / 15.1
LAT= -6.0	U= 60.515 / 20.7	V= 6.028 / 2.5	W= 3.913953 / 10.3	T= 140.307 / 15.0
LAT= 0.0	U= 62.355 / 20.8	V= 23.453 / .4	W= 3.883231 / 10.1	T= 139.857 / 14.8
LAT= 6.0	U= 64.081 / 20.6	V= 40.933 / .1	W= 3.795316 / 9.9	T= 142.432 / 14.8
LAT= 12.0	U= 66.830 / 20.4	V= 56.931 / .1	W= 3.633593 / 3.9	T= 146.250 / 14.6
LAT= 18.0	U= 71.022 / 20.2	V= 70,929 / .3	W= 3.444517 / 9.9	T= 149.067 / 14.5
LAT= 24.0	U= 77.374 / 20.2	V= 84.063 / .5	W= 3.162043 / 9.8	T= 139.972 / 14.4
LAT= 30.0	U= 86.125 / 20.2	V= 97.982 / .7	W= 2.936256 , 9.7	T= 129.209 / 14.4
LAT= 36.0	U= 97.199 / 20.2	V= 113.182 / .9	W= 2.758771 / 9.5	T= 117.460 / 14.4
LAT= 42.0	U= 110.517 / 20.4	V= 131.895 / .9	W= 2.606095 / 9.1	T= 107.466 / 14.5
LAT= 48.0	U= 128.851 / 20.2	V= 151.643 / .9	W= 2.273676 / 8.4	T= 97.406 / 14.5
LAT= 54.0	U= 153.889 / 19.7	V= 172.482 / .8	W= 1.937692 / 6.9	T= 87.759 / 14.3
LAT= 60.0	U= 161.939 / 19.0	V= 190.001 / .8	w= 1.663918 / 4.2	T= 64.649 / 14.7
LAT= 66.0	U= 171.020 / 18.6	v= 206.072 / .8	w= 1.944650 / 2.3	T= 44.029 / 15.5
LAT= 72.0	U= 176.886 / 18.5	V= 220.927 / 1.0	W= 2.186726 / 1.4	T= 28.677 / 17.2
LAT= 78.0	U= 201.782 / 18.8	V= 239.752 / 1.2	w= 1.787859 / 1.3	T= 19.941 / 18.0
Z= 400.753	KM			
LAT=~78.0	U= 146.269 / 19.3	V= 141.164 / 12.9	W= .412901 / 11.8	T= 27.788 / 16.4
LAT=-72.0	U= 154.222 / 19.5	V= 141.539 / 13.1	W= 1.122287 / 11.8	T= 44.450 / 16.7
LAT = -66.0	U= 162.642 / 19.8	V= 139.239 / 13.1	W= 2.031503 / 11.6	T= 69.365 / 16.5
LAT=-60.0	u≈ 159.386 / 19.9	V= 133.357 / 13.2	W= 2.707137 / 11.6	T= 86.316 / 16.2
LAT=-54.0	U= 144.079 / 19.9	V= 124.003 / 13.3	w= 3.147721 / 11.5	T= 95.832 / 15.9
LAT=-48.0	U= 118.705 / 19.9	V= 112.285 / 13.3	w= 3.315065 / 11.6	T= 97.738 / 16.0
LAT=-42.0	u= 103.092 / 19.9	V= 98.913 / 13.3	W= 3.602682 / 11.5	T= 111.374 / 15.7
LAT=-36.0	U= 97.302 / 20.0	V= 83.939 / 13.2	W= 4.032841 / 11.2	T= 137.602 / 15.3
LAT=-30.0	U= 78.667 / 20.0	V= 67.456 / 13.1	w= 4.019548 / 11.1	T= 136.926 / 15.3
LAT=-24.0	U= 68.323 / 20.0	V= 50.473 / 12.8	W= 4.130652 / 10.9	T= 143.061 / 15.2
LAT=-18.0	U= 66.383 / 20.2	V= 33.008 / 12.2	W= 4.396714 / 10.7	T= 155.429 / 15.1
LAT =-12.0	U= 63.749 / 20.5	V= 14.578 / 11.4	W= 4.427016 / 10.4	T= 150.028 / 15.0
LAT= -6.0	U= 63.733 / 20.7	V= 5.824 / 2.4	W= 4.452261 / 10.2	T= 145.887 / 15.0
LAT= 0.0	U= 65.637 / 20.8	V= 24.014 / .4	W= 4.419421 / 10.0	T= 145.535 / 14.8
LAT= 6.0	U= 67.467 / 20.7	V= 41.897 / .2	W= 4.327583 / 10.0	T= 148.160 / 14.8
LAT= 12.0	U= 70.348 / 20.4 U= 74.705 / 20.3	V= 58.552 / .2 V= 73.472 / .3	w= 4.157968 / 9.9 w= 3.963056 / 9.8	T= 151.955 / 14.6 T= 154.684 / 14.5
LAT= 18.0 LAT= 24.0	U= 81.265 / 20.2		W= 3.963056 / 9.8 W= 3.640450 / 9.7	T= 145.094 / 14.4
LAT= 24.0 LAT= 30.0	U= 90.319 / 20.2	V= 87.306 / .5 V= 101.900 / .7	W= 3.840450 / 9.7 W= 3.378390 / 9.6	T= 133.869 / 14.4
LAT= 30.0	U= 101.782 / 20.3	V= 107.736 / .9	w= 3.378390 / 9.3	T= 133.609 / 14.4
LAT= 42.0	U= 115.541 / 20.4	V= 11730 /9 V= 137.185 /9	W= 2.994980 / 9.1	T= 111.383 / 14.5
LAT= 42.0	U= 134.423 / 20.2	V= 157.698 / .9	W= 2.613532 / 8.4	T= 101.011 / 14.5
LAT= 54.0	U= 160.214 / 19.7	V= 179.341 / .8	w= 2.240770 / 6.9	T= 91.058 / 14.3
LAT= 60.0	U= 168.254 / 19.0	V= 197.489 / .8	W= 1.876356 / 4.3	T= 67.108 / 14.7
LAT= 66.0	U= 177.437 / 18.6	V= 214.074 / .8	W= 2.130972 / 2.4	T= 45.722 / 15.5
LAT= 72.0	U= 183.334 / 18.5	V= 229.337 / 1.0	W= 2.375661 / 1.4	T= 29.787 / 17.2
LAT= 78.0	U= 209.123 / 18.8	V= 248.775 / 1.2	W= 1.932640 / 1.3	T= 20.717 / 18.0
				

Table B3. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\rm O}N$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to $400~\rm km$ at the Equinoxes

Z =	0.000	KM										
LAT=	0.0	U≖	.155 /	2.7	V=	0.000 /	12.0	W=	0.000000 /	12.0	T =	.049 / 9.
LAT=	6. 0	Ų≠	.173 /	2.8	V =	.045 /	5.6	W=	0.000000 /	12.0	T=	.047 / 9.
LAT=	12.0	U=	.176 /	2.8	V =	.091 /	5.6	W=	0.000000 /	12.0	T=	.040 / 9.
LAT=	18.0	U=	.183 /	2.8	V =	.137 /	5.7	W=	0.000000 /	12.0	T=	.031 / 9.
LAT=	24.0	U=	.192 /	2.8	V×	.179 /	5.7	W=	0.000000 /	12.0	T=	.021 / 9.
LAT=	30.0	U=	-200 /	2.8	٧×	.210 /	5.7	₩≖	0.000000 /	12.0	T =	.013 / 9.
LAT=	36.0	U=	.204 /	2.8	V =	.223 /	5.7	W=	0.000000 /	12.0	T=	.007 / 9.
LAT=	42.0	U≖	.200 /	2.8	V =	.219 /	5.7	W=	0.000000 /	12.0	T =	.003 / 10.
LAT=	48.0	U=	.186 /	2.8	V=	.201 /	5.7		0.000000 /		T=	.001 / 11.
LAT=	54.0	U±	165 /	2.8	V×	.174 /	5.7		0.000000 /		T=	.001 / .
LAT=	60.0	ü≖	.139 /	2.8	٧×	.146 /	5.7		0.000000 /		T=	.001 / 2.
	66.0	U =	.117 /	2.8	∨ ≖	.120 /			0.000000 /		T.	.001 / 3.
	72.0	Ü=	.092 /		٧×	.096 /			0.000000 /		T=	.001 / 3.
	78.0	U≖	.066 /		V=	.071 /			0.000000 /		T=	.001 / 3.
			,		•	,	3	•	,			
Z=	2.078	KM										
LAT≠	0.0	U≖	.182 /	3.0	V=	0.000 /	12.0	w=	.000025 /	5.7	T=	.054 / 9.
	6.0	Ū≖	.185 /		V =	.056 /		W=	.000030 /		Ť≖	.052 / 9.
	12.0	Ú±	.191 /		v =	.108 /		₩=	.000041 /		T=	.044 / 9.
	18.0	บ≂	.200 /		V =	.156 /		W=	.000053 /		T=	.033 / 9.
	24.0	U=	.209 /		V=	.196 /		W=	.000056 /		T=	.022 / 9.
	30.0	U=	.219 /		V=	.226 /		Ws	.000048 /		7=	.013 / 9.
	36.0	U=	.225 /		V=	.245 /		₩≠	.000032 /		T=	.007 / 9.
	42.0	U=	.227 /		V×	.251 /		W=	.000015 /		Ť=	.003 / 10.
	48.0	U=	.219 /		V =	.241 /			.000006 /		T=	.003 / 10.
	54.0	U=	.204 /		V=			W=			Ta	
		U=				.219 /		Ws	.000004 /			.001 / .
	60.0	U=	.177 /		V=	.188 /		W=	.000003 /		T=	.002 / 2.
	66.0				V =	.152 /	6.1	Wz	.000013 /		T=	.002 / 2.
	72.0	U=	.115 /		V=	.116 /		W=	.000020 /		T =	.002 / 2.
LA1=	78.0	U=	.080 /	3.2	V=	.081 /	6.2	W=	.000023 /	5.2	T=	.001 / 2.
Z =	4.161	KM										
ι Δ T =	0.0	U=	.187 /	3.0	V =	0.000 /	12.0	wi=	.000079 /	5.5	T=	.057 / 9.
LAT=		U=	.190 /		V=	.061 /		W=	.000082 /		T=	.054 / 9.
	12.0	U=	.197 /		V =	.117 /		W=	.000082 /		Tz	.046 / 9.
	18.0	U=	.206 /		V =	.164 /		W≃	.000097 /		T=	.035 / 9.
	24.0	U=	.214 /		V =	.201 /			.000097 /		T =	.035 / 9.
	30.0	U≖	.214 /		V=			₩≈				
		U=			-	.226 /	6.0	W=	.000092 /		T =	.015 / 9.1
	36.0		.226 /		V =	.242 /	6.0	W≖	.000074 /		T×	.008 / 9.
	42.0	U=	.226 /		V =	.246 /	6.1	W=	.000051 /		T =	.004 / 9.
	48.0	U=	.220 /		V =	.240 /	6.1	W =	.000030 /		T=	.002 / 10.
	54.0	U=	-208 /		V =	.222 /	6.1	W =	.000018 /		T =	.001 / 10.
	60.0	U=	.184 /		V =	.195 /	6.1	W=	-000016 /		T=	.001 / 2.
	66.0	U=	.157 /		V =	.160 /	6.1	W =	.000024 /		T =	.001 / 2.
LAT=	72.0	U=	-120 /		V =	.120 /	6.1	M =	.000030 /		T =	.001 / 2.
LAT=		U≖	.081 /	3.2	V =	.078 /	6.2	₩=	.000034 /	5.6	T =	.001 / 2.

Table B3. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\rm O}N$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

												_
Z= 9.525	KM											
LAT= 0.0	U=	.179 /	3.0	V=	0.000 /	12.0	W=	.000241 /	5.5	T =	.050 /	9.
LAT= 6.0	U=	.181 /	3.0	V =	.064 /	5.8	W=	.000227 /	5.5	T=	.048 /	9.
LAT= 12.0	U≖	.187 /	3.0	V=	.122 /		M=	.000192 /	5.7	T =	.041 /	9.
LAT= 18.0	U=	.195 /	3.0	V=	.169 /	5.8	₩=	.000159 /	6.1	T=	.032 /	9.
LAT= 24.0	U=	.202 /	3.0	V×	.202 /		W=	.000141 /	6.5	T=	.022 /	8.
LAT= 30.0	U=	.206 /	3.0	V=	.219 /	5.9	M=	.000138 /	6.8	Ţ=	.014 /	8.
LAT= 36.0	U=	.204 /	3.0	V=	.224 /	5.9	W=	.000136 /	6.9	T=	·008 /	8.
LAT= 42.0	U=	.198 /	3.0	V=	.217 /		W=	.000127 /	6.9	T=	.004 /	8.
LAT= 48.0	U=	.185 /	3.0	٧×	.202 /	6.0	W =	.000107 /	6.9	Ţ=	.002 /	7.
LAT= 54.0	U=	.169 /	3.1	V=	.180 /	6.1	W=	.000086 /	6.8	T=	-001 /	6.
LAT= 60.0	U=	.144 /	3.1	V=	.154 /	6.1 6.1	W=	.000061 /	6.8	T=	.001 /	4.
LAT= 66.0	U= U=	.120 /		٧=	.123 /		W=		6.6	T=	.001 /	
LAT= 72.0	U=	.089 /	3.0 3.1	V= V=	.090 /	6.0 6.0	₩×	.000036 /	6.4 6.4	T=	.001 /	3. 3.
LAT= 78.0	U-	.056 /	3.1	٧=	.056 /	6.0	W=	.000041 /	0.4		.001 /	3.
Z= 14.879	KM											
LAT= 0.0	U=	.190 /	3.0	V=	0.000 /	12.0	w=	.000434 /	5.3	T=	.067 /	9.
LAT= 6.0	U=	.193 /	3.0	٧×	.063 /		W=	.000412 /	5.4	T=	.066 /	9.
LAT= 12.0	U≖	.200 /	3.0	٧×	.124 /	5.8	W=	.000357 /	5.6	T≖	.061 /	9.
LAT= 18.0	U=	.210 /	3.0	V×	.179 /	5.8	W =	.000298 /	6.1	T=	.055 /	8.
LAT= 24.0	Ų=	.221 /	3.0	V=	.223 /	5.8	W=	.000260 /	6.6	T=	.046 /	8.
LAT= 30.0	U=	.230 /	3.0	٧×	.251 /	5.9	W±	.000239 /	7.0	T=	.036 /	Θ.
LAT= 36.0	U=	.230 /	3.0	V×	.258 /	6.0	W=	.000218 /	7.2	T=	.026 /	Θ.
LAT= 42.0	U=	.222 /	3.0	V=	.247 /	6.0	W=	.000186 /	7.3	T =	.017 /	в.
LAT= 48.0	U≖	.202 /	3.0	V =	.223 /	6.0	W=	.000144 /	7.3	T=	.010 /	8.
LAT= 54.0	Ų≖	.177 /	3.1	V =	.189 /	6.1	W=	.000103 /	7.2	T =	.006 /	8.
LAT= 60.0	U=	.144 /	3.1	V=	.154 /	6.1	W=	.000060 /	7.3	T=	.003 /	7.
LAT= 66.0	U=	.115 /	3.0	V=	.118 /	6.0	% =	.000044 /	6.8	T=	.001 /	7.
LAT= 72.0	U≠	.083 /	3.0	V=	.084 /	6.0	W=	.000017 /	6.8	T=	0.000 /	
LAT= 78.0	U=	.051 /	3.0	٧=	.052 /	5.9	₩=	.000030 /	6.7	T=	.001 /	3.
Z= 20.239	KM											
LAT= 0.0	U=	.219 /	3.1	٧×	0.000 /	12.0	W=	.000796 /	5.4	T=	.031 /	10.
LAT= 6.0	U=	.222 /	3.1	V =	.078 /	6.4	W =	.000772 /	5.5	T=	028 /	10.
LAT= 12.0	U≖	.231 /	3.1	V =	.150 /	6.4	W=	.000706 /	5.7	T=	.019 /	10.
LAT= 18.0	U=	.242 /	3.1	V =	-210 /	6.3	W=	.000622 /	6.0	T=	.010 /	9.
LAT= 24.0	U≖	.254 /	3.1	V =	.255 /	6.2	W=	.000536 /	6.4	T =	.009 /	7.
LAT= 30.0	Ų≖	.263 /	3.0	V =	.283 /	6.1	W=	.000453 /	6.7	T=	.014 /	6.
LAT= 36.0	U≖	.265 /	2.9	V=	.293 /	5.9	W=	.000370 /	7.0	T =	.016 /	5.
LAT= 42.0	U≠	.259 /	2.9	V =	.287 /	5.8	W =	.000283 /	7.2	T=	.015 /	5.
LAT= 48.0	U=	.243 /	2.8	V =	.267 /	5.7	W =	.000198 /	7.4	T=	.012 /	5.
LAT= 54.0	U=	.221 /	2.8	V =	.236 /	5.7	W=	.000128 /	7.5	T=	.008 /	5.
LAT= 60.0	U≠	.189 /	2.7	V =	.200 /	5.7	W×	.000063 /	7.9	T=	.005 /	6.
LAT= 66.0	U=	.155 /	2.7	V =	.160 /	5.6	W=	.000041 /	7.2	7=	.002 /	5.
LAT= 72.0	U= U=	.118 /	2.8	V= V=	.119 / .077 /	5.6 5.6	W=	.000008 / .000016 /	8.7 8.1	T= T=	.001 /	8. 5.
LAT= 78.0		.076 /					₩=					

Table B3. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\rm O}{\rm N}$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to $400~{\rm km}$ at the Equinoxes (Contd)

Z= 25.607 KM					
LATE 0.0 UE .239 / 3.1 VP 0.000 / 12.0 ME .001507 / 5.7 TF .068 / 2.4 LATE 6.0 UE .243 / 3.1 VP .105 / 6.8 ME .001453 / 5.8 TF .064 / 2.7 LATE 12.0 UE .252 / 3.1 VP .102 / 6.7 ME .00129 / 5.8 TF .064 / 2.7 LATE 18.0 UE .262 / 3.1 VP .102 / 6.7 ME .001087 / 5.9 TF .064 / 2.7 LATE 24.0 UE .267 / 3.0 VF .284 / 6.3 ME .000856 / 6.1 TF .055 / 3.3 LATE 30.0 UE .267 / 2.8 VF .293 / 6.1 ME .000866 / 6.1 TF .055 / 3.3 LATE 30.0 UE .261 / 2.6 VF .289 / 5.7 ME .000460 / 6.4 TF .041 / 3.9 LATE 42.0 UE .238 / 2.2 VF .259 / 5.1 ME .000841 / 6.2 TF .041 / 3.9 LATE 48.0 UE .238 / 2.2 VF .259 / 5.1 ME .00038 / 6.9 TF .032 / 4.1 LATE 54.0 UE .220 / 2.0 VF .234 / 4.9 MF .000806 / 7.6 TF .003 / 4.3 LATE 66.0 UE .193 / 1.9 VF .202 / 4.8 ME .00060 / 7.6 TF .008 / 4.8 LATE 66.0 UE .159 / 1.8 VF .166 / 4.8 MF .000057 / 6.7 TF .006 / 4.1 LATE 72.0 UE .127 / 1.9 VF .223 / 6.7 MF .000017 / 7.5 TF .001 / 5.5 LATE 18.0 UE .194 / 3.2 VF .089 / 6.9 MF .00017 / 7.5 TF .001 / 5.5 LATE 18.0 UE .196 / 3.1 VF .223 / 6.7 MF .000017 / 7.5 TF .001 / 5.5 LATE 18.0 UE .196 / 3.1 VF .223 / 6.7 MF .000017 / 7.5 TF .001 / 5.5 LATE 18.0 UE .196 / 3.1 VF .223 / 6.5 MF .00017 / 7.5 TF .001 / 5.5 LATE 18.0 UE .196 / 3.1 VF .223 / 6.5 MF .00017 / 7.5 TF .001 / 5.5 LATE 18.0 UE .196 / 3.1 VF .223 / 6.5 MF .00017 / 7.5 TF .002 / 6.5 LATE 18.0 UE .196 / 3.1 VF .223 / 6.5 MF .00017 / 7.5 TF .002 / 6.5 LATE 18.0 UE .196 / 3.1 VF .223 / 6.5 MF .00017 / 7.5 TF .002 / 6.5 LATE 18.0 UE .196 / 3.1 VF .223 / 6.5 MF .00017 / 7.5 TF .002 / 6.5 LATE 18.0 UE .196 / 3.1 VF .223 / 6.5 MF .00017 / 7.5 TF .002 / 6.5 LATE 18.0 UE .196 / 3.1 VF .223 / 6.5 MF .00017 / 7.5 TF .002 / 6.5 LATE 18.0 UE .196 / 3.1 VF .223 / 6.5 MF .00017 / 7.5 TF .002 / 6.5 LATE 18.0 UE .196 / 3.1 VF .223 / 6.5 MF .00017 / 7.5 TF .002 / 6.5 LATE 18.0 UE .196 / 3.1 VF .223 / 6.5 MF .00017 / 7.5 TF .002 / 6.5 LATE 18.0 UE .196 / 3.1 VF .223 / 6.5 MF .00017 / 7.5 TF .002 / 6.5 LATE 18.0 UE .196 / 3.1 VF .223 / 6.5 MF .00017 / 7.5 TF .002 / 7.5 MF .00017 / 7.5 MF .00017 / 7.5 MF	7= 25.607 KM				
LATE 6.0 U= .243 / 3.1 V= .105 / 6.8 W= .001493 / 5.8 T= .067 / 2.5 LATE 18.0 U= .252 / 3.1 V= .192 / 6.7 W= .001299 / 5.8 T= .066 / 2.7 LATE 18.0 U= .262 / 3.1 V= .253 / 6.5 W= .001087 / 5.9 T= .060 / 3.0 LATE 18.0 U= .267 / 3.0 V= .284 / 6.3 W= .000886 / 6.1 T= .055 / 3.3 LATE 30.0 U= .267 / 2.8 V= .293 / 6.1 W= .000886 / 6.1 T= .055 / 3.3 LATE 30.0 U= .267 / 2.8 V= .293 / 6.1 W= .000681 / 6.2 T= .049 / 3.6 LATE 36.0 U= .261 / 2.6 V= .289 / 5.7 W= .000480 / 6.4 T= .041 / 3.9 LATE 48.0 U= .252 / 2.4 V= .277 / 5.4 W= .000208 / 6.6 T= .032 / 4.1 LATE 48.0 U= .238 / 2.2 V= .259 / 5.1 W= .000208 / 6.6 T= .032 / 4.1 LATE 48.0 U= .238 / 2.2 V= .259 / 5.1 W= .000208 / 6.6 T= .032 / 4.3 LATE 54.0 U= .220 / 2.0 V= .234 / 4.9 W= .000135 / 6.9 T= .015 / 4.3 LATE 66.0 U= .193 / 1.9 V= .202 / 4.8 W= .000600 / 7.6 T= .008 / 4.8 LATE 66.0 U= .159 / 1.8 V= .166 / 4.8 W= .0000507 / 6.7 T= .006 / 4.1 LATE 72.0 U= .127 / 1.9 V= .125 / 4.7 W= .000017 / 7.5 T= .001 / 5.5 LATE 78.0 U= .081 / 1.6 V= .083 / 4.7 W= .00017 / 7.5 T= .001 / 5.5 LATE 12.0 U= .186 / 3.2 V= .089 / 6.9 W= .002869 / 6.1 T= .252 / 3.0 LATE 12.0 U= .186 / 3.2 V= .089 / 6.9 W= .002869 / 6.1 T= .252 / 3.0 LATE 12.0 U= .186 / 3.2 V= .083 / 4.7 W= .000176 / 5.8 T= .002 / 6.5 LATE 36.0 U= .186 / 3.2 V= .083 / 4.7 W= .000176 / 5.8 T= .002 / 6.5 LATE 36.0 U= .186 / 3.2 V= .083 / 4.7 W= .000841 / 5.6 T= .002 / 2.9 LATE 24.0 U= .166 / 2.1 V= .182 / 5.1 W= .000584 / 4.3 T= .002 / 2.9 LATE 36.0 U= .166 / 2.1 V= .182 / 5.1 W= .000584 / 4.3 T= .005 / 2.6 LATE 36.0 U= .166 / 2.1 V= .182 / 5.1 W= .000584 / 4.3 T= .605 / 2.6 LATE 36.0 U= .166 / 2.1 V= .182 / 5.1 W= .000584 / 4.3 T= .605 / 2.6 LATE 48.0 U= .166 / 2.1 V= .182 / 5.1 W= .000584 / 4.3 T= .605 / 2.6 LATE 36.0 U= .166 / 2.1 V= .182 / 5.1 W= .000584 / 4.3 T= .605 / 2.6 LATE 36.0 U= .016 / 4.2 V= .004 / 10.1 W= .000584 / 4.3 T= .655 / 3.2 LATE 36.0 U= .016 / 4.2 V= .004 / 10.1 W= .000586 / 4.8 T= .009 / 2.4 LATE 30.0 U= .016 / 4.2 V= .008 / 10.1 W= .000662 / 4.8 T= .009 / 2.4 LATE 30.0 U= .006 / 5.7 V= .008 / 10.5 W= .					_
LAT: 12.0 U= .252 / 3.1 V= .192 / 6.7 W= .001299 / 5.8 T= .064 / 2.7 LAT: 18.0 U= .262 / 3.1 V= .253 / 6.5 W= .001097 / 5.9 T= .066 / 3.0 LAT: 24.0 U= .267 / 3.0 V= .284 / 6.3 W= .000866 / 6.2 T= .049 / 3.6 LAT: 30.0 U= .267 / 2.8 V= .293 / 6.1 W= .000664 / 6.2 T= .049 / 3.6 LAT: 36.0 U= .261 / 2.6 V= .293 / 6.1 W= .000664 / 6.2 T= .049 / 3.6 LAT: 36.0 U= .252 / 2.4 V= .293 / 6.1 W= .000460 / 6.4 T= .041 / 3.9 LAT: 34.0 U= .252 / 2.4 V= .277 / 5.4 W= .000460 / 6.4 T= .041 / 3.9 LAT: 48.0 U= .238 / 2.2 V= .259 / 5.1 W= .000208 / 6.8 T= .023 / 4.1 LAT: 48.0 U= .220 / 2.0 V= .234 / 4.9 W= .000208 / 6.8 T= .023 / 4.3 LAT: 54.0 U= .220 / 2.0 V= .234 / 4.9 W= .000208 / 6.8 T= .023 / 4.3 LAT: 54.0 U= .220 / 2.0 V= .234 / 4.9 W= .000208 / 6.8 T= .008 / 4.8 LAT: 66.0 U= .159 / 1.8 V= .166 / 4.8 W= .000065 / 7.6 T= .008 / 4.8 LAT: 66.0 U= .159 / 1.8 V= .166 / 4.8 W= .000065 / 7.6 T= .008 / 4.8 LAT: 72.0 U= .127 / 1.9 V= .125 / 4.7 W= .000017 / 7.5 T= .006 / 4.1 LAT: 78.0 U= .081 / 1.6 V= .083 / 4.7 W= .00017 / 7.5 T= .001 / 5.5 LAT: 78.0 U= .189 / 3.2 V= .083 / 4.7 W= .00017 / 7.5 T= .002 / 6.5 LAT: 78.0 U= .189 / 3.2 V= .083 / 4.7 W= .00017 / 7.5 R= .222 / 2.9 LAT: 30.0 U= .189 / 3.2 V= .083 / 6.5 W= .001776 / 5.8 T= .202 / 2.9 LAT: 30.0 U= .188 / 2.8 V= .215 / 6.8 W= .002869 / 6.1 T= .232 / 3.0 LAT: 78.0 U= .196 / 3.7 V= .233 / 6.5 W= .001776 / 5.8 T= .202 / 2.9 LAT: 30.0 U= .188 / 2.8 V= .215 / 6.2 W= .000841 / 5.2 T= .130 / 2.8 LAT: 36.0 U= .166 / 2.1 V= .182 / 5.6 W= .001776 / 5.8 T= .202 / 2.9 LAT: 30.0 U= .188 / 2.1 V= .182 / 5.6 W= .001263 / 5.6 T= .167 / 2.8 LAT: 36.0 U= .166 / 2.1 V= .182 / 5.6 W= .001263 / 5.6 T= .167 / 2.8 LAT: 36.0 U= .166 / 2.1 V= .182 / 5.6 W= .000841 / 5.2 T= .30 / 2.8 LAT: 36.0 U= .00086 / 6.2 T= .00086 /					
LATE 18.0 U = .262 / 3.1 V = .253 / 6.5 W = .001087 / 5.9 T = .060 / 3.0 LATE 30.0 U = .267 / 3.0 V = .284 / 6.3 W = .000856 / 6.1 T = .055 / 3.3 LATE 30.0 U = .267 / 2.8 V = .292 / 6.1 W = .000661 / 6.2 T = .049 / 3.6 LATE 36.0 U = .261 / 2.6 V = .289 / 5.7 W = .000461 / 6.2 T = .049 / 3.6 LATE 36.0 U = .261 / 2.6 V = .289 / 5.7 W = .000461 / 6.2 T = .041 / 3.9 LATE 42.0 U = .252 / 2.4 V = .277 / 5.4 W = .000318 / 6.6 T = .032 / 4.1 LATE 48.0 U = .238 / 2.2 V = .259 / 5.1 W = .000208 / 6.6 T = .032 / 4.3 LATE 54.0 U = .220 / 2.0 V = .234 / 4.9 W = .000135 / 6.9 T = .015 / 4.3 LATE 54.0 U = .193 / 1.9 V = .202 / 4.8 W = .000050 / 7.6 T = .008 / 4.8 LATE 66.0 U = .159 / 1.8 V = .166 / 4.8 W = .000057 / 6.7 T = .006 / 4.1 LATE 72.0 U = .127 / 1.9 V = .125 / 4.7 W = .000017 / 7.5 T = .001 / 5.5 LATE 78.0 U = .081 / 1.6 V = .083 / 4.7 W = .000017 / 10.5 T = .002 / 6.5 LATE 12.0 U = .186 / 3.2 V = .089 / 6.9 W = .002869 / 6.1 T = .259 / 3.0 LATE 18.0 U = .198 / 3.2 V = .089 / 6.9 W = .002869 / 6.1 T = .252 / 3.0 LATE 18.0 U = .198 / 3.2 V = .162 / 6.8 W = .002266 / 6.0 T = .232 / 3.0 LATE 18.0 U = .198 / 3.2 V = .207 / 6.7 W = .001776 / 5.8 T = .202 / 2.9 LATE 24.0 U = .186 / 3.1 V = .223 / 6.5 W = .001263 / 5.6 T = .167 / 2.8 LATE 36.0 U = .166 / 2.5 V = .198 / 5.6 W = .001263 / 5.6 T = .167 / 2.8 LATE 36.0 U = .166 / 2.5 V = .198 / 5.6 W = .000841 / 5.8 T = .002 / 6.5 LATE 48.0 U = .166 / 2.1 V = .198 / 5.6 W = .000054 / 4.8 T = .095 / 2.7 LATE 48.0 U = .166 / 2.1 V = .198 / 5.6 W = .000054 / 4.8 T = .095 / 2.7 LATE 48.0 U = .166 / 2.1 V = .198 / 5.6 W = .000054 / 4.8 T = .095 / 2.7 LATE 48.0 U = .166 / 2.1 V = .198 / 5.6 W = .000055 / 5.7 T = .004 / 2.6 LATE 50.0 U = .016 / 4.2 V = .004 / 10.1 W = .000055 / 5.7 T = .004 / 2.6 LATE 50.0 U = .005 / 5.7 V = .198 / 5.6 W = .000050 / 5.7 T = .004 / 2.6 LATE 72.0 U = .005 / 5.7 V = .014 / 10.8 W = .000050 / 5.7 T = .004 / 2.5 LATE 60.0 U = .005 / 5.7 V = .014 / 10.8 W = .000050 / 5.7 T = .004 / 2.5 LATE 60.0 U = .005 / 5.7 V = .004 / 10.1 W = .000050 / 5.7 T = .004 / 2					
LATE 24.0 U= .267 / 3.0 V= .284 / 6.3 W= .000854 / 6.1 T= .055 / 3.3 LATE 30.0 U= .267 / 2.8 V= .292 / 6.1 W= .000641 / 6.2 T= .049 / 3.6 LATE 36.0 U= .261 / 2.6 V= .298 / 5.7 W= .000460 / 6.4 T= .041 / 3.9 LATE 42.0 U= .252 / 2.4 V= .269 / 5.7 W= .000460 / 6.4 T= .041 / 3.9 LATE 42.0 U= .252 / 2.4 V= .277 / 5.4 W= .000480 / 6.4 T= .032 / 4.1 LATE 48.0 U= .228 / 2.2 V= .259 / 5.1 W= .000208 / 6.8 T= .032 / 4.1 LATE 48.0 U= .220 / 2.0 V= .259 / 5.1 W= .000208 / 6.8 T= .023 / 4.3 LATE 54.0 U= .220 / 2.0 V= .294 / 4.9 W= .000135 / 6.9 T= .015 / 4.3 LATE 60.0 U= .159 / 1.8 V= .166 / 4.8 W= .000606 / 7.6 T= .008 / 4.8 LATE 66.0 U= .159 / 1.8 V= .166 / 4.8 W= .000060 / 7.6 T= .008 / 4.8 LATE 66.0 U= .159 / 1.8 V= .166 / 4.8 W= .000067 / 7.5 T= .001 / 5.5 LATE 78.0 U= .081 / 1.6 V= .083 / 4.7 W= .000017 / 7.5 T= .001 / 5.5 LATE 78.0 U= .081 / 1.6 V= .083 / 4.7 W= .000017 / 7.5 T= .001 / 5.5 LATE 78.0 U= .194 / 3.2 V= .083 / 4.7 W= .000289 / 6.1 T= .259 / 3.0 LATE 12.0 U= .194 / 3.2 V= .089 / 6.9 W= .002869 / 6.1 T= .252 / 3.0 LATE 12.0 U= .196 / 3.1 V= .227 / 6.7 W= .001776 / 5.8 T= .202 / 2.9 LATE 24.0 U= .196 / 3.1 V= .223 / 6.5 W= .00176 / 5.8 T= .202 / 2.9 LATE 30.0 U= .188 / 2.8 V= .215 / 6.2 W= .000841 / 5.2 T= .130 / 2.8 LATE 30.0 U= .188 / 2.5 V= .188 / 5.6 W= .001263 / 5.6 T= .167 / 2.8 LATE 30.0 U= .166 / 2.1 V= .182 / 5.1 W= .000344 / 4.8 T= .095 / 2.7 LATE 42.0 U= .166 / 2.1 V= .182 / 5.1 W= .000344 / 4.8 T= .095 / 2.7 LATE 40.0 U= .166 / 2.1 V= .182 / 5.1 W= .000354 / 4.3 T= .065 / 2.6 LATE 40.0 U= .166 / 2.1 V= .182 / 5.1 W= .000354 / 4.3 T= .065 / 2.6 LATE 60.0 U= .113 / 9.1 V= .120 / 9.3 Y= .00025 / 4.0 T= .041 / 2.6 LATE 72.0 U= .016 / 4.2 V= .004 / 10.1 W= .000448 / 6.2 T= .535 / 3.1 LATE 18.0 U= .016 / 4.2 V= .004 / 10.1 W= .000356 / 5.8 T= .004 / 9.5 LATE 78.0 U= .005 / 5.7 V= .014 / 10.8 W= .00055 / 5.8 T= .000 / 2.4 LATE 78.0 U= .005 / 5.7 V= .004 / 10.1 W= .00065 / 2.8 T= .000 / 2.4 LATE 78.0 U= .005 / 5.7 V= .004 / 10.1 W= .000448 / 6.2 T= .535 / 3.1 LATE 18.0 U= .006 / 5.7 V= .009 / 6.0 V= .00					
LATE 30.0 U = .267 / 2.8 V = .293 / 6.1 W = .000641 / 6.2 T = .049 / 3.6 LATE 36.0 U = .261 / 2.6 V = .289 / 5.7 W = .000460 / 6.4 T = .041 / 3.9 LATE 42.0 U = .252 / 2.4 V = .277 / 5.4 W = .000318 / 6.6 T = .032 / 4.1 LATE 48.0 U = .228 / 2.2 V = .259 / 5.1 W = .000208 / 6.6 T = .032 / 4.1 LATE 54.0 U = .220 / 2.0 V = .234 / 4.9 W = .000305 / 6.9 T = .015 / 4.3 LATE 54.0 U = .193 / 1.9 V = .202 / 4.8 W = .000050 / 7.6 T = .008 / 4.8 LATE 66.0 U = .159 / 1.8 V = .166 / 4.8 W = .000057 / 6.7 T = .006 / 4.1 LATE 72.0 U = .127 / 1.9 V = .125 / 4.7 W = .000057 / 6.7 T = .001 / 5.5 LATE 78.0 U = .081 / 1.6 V = .083 / 4.7 W = .000017 / 7.5 T = .001 / 5.5 LATE 78.0 U = .081 / 1.6 V = .083 / 4.7 W = .000017 / 10.5 T = .002 / 6.5 LATE 12.0 U = .189 / 3.2 V = .089 / 6.8 W = .002669 / 6.1 T = .259 / 3.0 LATE 12.0 U = .194 / 3.2 V = .089 / 6.8 W = .002669 / 6.1 T = .252 / 3.0 LATE 12.0 U = .194 / 3.2 V = .089 / 6.8 W = .002669 / 6.1 T = .252 / 3.0 LATE 12.0 U = .198 / 3.2 V = .207 / 6.7 W = .00176 / 5.8 T = .202 / 2.9 LATE 24.0 U = .196 / 3.1 V = .223 / 6.5 W = .001263 / 5.6 T = .167 / 2.8 LATE 36.0 U = .176 / 2.5 V = .196 / 3.1 V = .223 / 6.5 W = .001263 / 5.6 T = .167 / 2.8 LATE 36.0 U = .176 / 2.5 V = .196 / 3.1 V = .223 / 6.2 W = .000841 / 5.2 T = .130 / 2.8 LATE 36.0 U = .176 / 2.5 V = .198 / 5.6 W = .000544 / 4.8 T = .095 / 2.7 LATE 40.0 U = .166 / 2.1 V = .182 / 5.1 W = .000354 / 4.3 T = .065 / 2.6 LATE 54.0 U = .157 / 1.7 V = .170 / 4.1 W = .000254 / 4.3 T = .065 / 2.6 LATE 54.0 U = .157 / 1.7 V = .170 / 4.1 W = .000254 / 4.3 T = .535 / 3.1 LATE 66.0 U = .137 / 1.1 V = .162 / 3.9 W = .000050 / 6.0 T = .535 / 3.1 LATE 78.0 U = .005 / 5.7 V = .144 / 10.8 W = .000050 / 6.0 T = .535 / 3.1 LATE 78.0 U = .005 / 5.7 V = .004 / 10.1 W = .000050 / 6.0 T = .535 / 3.1 LATE 78.0 U = .005 / 5.7 V = .004 / 10.1 W = .000050 / 6.0 T = .004 / 9.5 LATE 66.0 U = .017 / 9.1 V = .009 / 11.4 V = .000050 / 6.0 T = .004 / 9.5 LATE 78.0 U = .005 / 5.7 V = .004 / 10.1 W = .000050 / 6.0 T = .535 / 3.1 LATE 18.0 U = .005 / 5.7 V = .004 / 10.1					
LATE 36.0 U= .261 / 2.6 V= .269 / 5.7 W= .000460 / 6.4 T= .041 / 3.9 LATE 42.0 U= .252 / 2.4 V= .277 / 5.4 W= .000318 / 6.6 T= .032 / 4.1 LATE 48.0 U= .228 / 2.2 V= .259 / 5.1 W= .000208 / 6.8 T= .032 / 4.3 LATE 54.0 U= .220 / 2.0 V= .234 / 4.9 W= .000135 / 6.9 T= .015 / 4.3 LATE 60.0 U= .193 / 1.9 V= .224 / 4.8 W= .000060 / 7.6 T= .008 / 4.8 LATE 66.0 U= .159 / 1.8 V= .166 / 4.8 W= .000060 / 7.6 T= .008 / 4.8 LATE 66.0 U= .159 / 1.8 V= .166 / 4.8 W= .000057 / 6.7 T= .006 / 4.1 LATE 72.0 U= .127 / 1.9 V= .125 / 4.7 W= .000017 / 7.5 T= .001 / 5.5 LATE 78.0 U= .081 / 1.6 V= .083 / 4.7 W= .000017 / 10.5 T= .002 / 6.5 Z= 30.985 KM LATE 0.0 U= .186 / 3.2 V= .009 / 6.9 W= .002809 / 6.1 T= .259 / 3.0 LATE 18.0 U= .189 / 3.2 V= .089 / 6.9 W= .002669 / 6.1 T= .259 / 3.0 LATE 18.0 U= .194 / 3.2 V= .089 / 6.9 W= .002669 / 6.1 T= .252 / 3.0 LATE 18.0 U= .198 / 3.2 V= .069 / 6.7 W= .001776 5.8 T= .202 / 2.9 LATE 24.0 U= .196 / 3.1 V= .223 / 6.5 W= .001765 5.8 T= .202 / 2.9 LATE 30.0 U= .186 / 2.5 V= .198 / 5.6 W= .00163 / 5.6 T= .167 / 2.8 LATE 30.0 U= .166 / 2.5 V= .198 / 5.6 W= .000841 / 5.2 T= .130 / 2.8 LATE 30.0 U= .166 / 2.1 V= .182 / 5.1 W= .000354 / 4.3 T= .065 / 2.6 LATE 48.0 U= .156 / 2.7 V= .182 / 5.1 W= .000354 / 4.3 T= .065 / 2.6 LATE 54.0 U= .166 / 2.1 V= .182 / 5.1 W= .000354 / 4.3 T= .065 / 2.6 LATE 60.0 U= .137 / 1.7 V= .162 / 4.7 W= .000354 / 4.3 T= .065 / 2.6 LATE 60.0 U= .137 / 1.7 V= .192 / 4.1 W= .000412 / 3.9 T= .044 / 2.6 LATE 78.0 U= .016 / 4.2 V= .004 / 10.1 W= .000418 / 6.2 T= .594 / 3.1 LATE 12.0 U= .005 / 5.7 V= .004 / 10.1 W= .000406 / 4.8 T= .009 / 2.4 LATE 30.0 U= .016 / 4.2 V= .009 / 11.0 W= .000050 / 7.7 T= .004 / 9.5 LATE 78.0 U= .005 / 5.7 V= .004 / 10.1 W= .004418 / 6.2 T= .594 / 3.1 LATE 18.0 U= .005 / 5.7 V= .004 / 10.1 W= .004418 / 6.2 T= .594 / 3.1 LATE 18.0 U= .005 / 5.7 V= .004 / 10.1 W= .004418 / 6.2 T= .594 / 3.1 LATE 18.0 U= .005 / 5.7 V= .004 / 10.1 W= .004418 / 6.2 T= .594 / 3.1 LATE 30.0 U= .016 / 4.2 V= .004 / 10.1 W= .004620 / 4.8 T= .009 / 2.5 LATE 30.0 U= .017 / 9.1 V=	LAT= 24 0 U=				
LATE 42.0 UP .252 / 2.4 VP .277 / 5.4 WP .000318 / 6.6 TF .032 / 4.1 LATE 48.0 UP .238 / 2.2 VP .259 / 5.1 WP .000208 / 6.8 TF .023 / 4.3 LATE 54.0 UP .220 / 2.0 VP .234 / 4.9 WF .000135 / 6.9 TF .015 / 4.3 LATE 66.0 UP .193 / 1.9 VP .202 / 4.8 WF .000067 / 6.7 TF .008 / 4.8 LATE 66.0 UP .159 / 1.8 VP .166 / 4.8 WF .000067 / 6.7 TF .006 / 4.1 LATE 72.0 UP .127 / 1.9 VP .125 / 4.7 WF .000017 / 7.5 TF .006 / 4.1 LATE 72.0 UP .081 / 1.6 VP .083 / 4.7 WF .000017 / 7.5 TF .001 / 5.5 LATE 78.0 UP .081 / 1.6 VP .083 / 4.7 WF .000017 / 7.5 TF .001 / 5.5 LATE 78.0 UP .189 / 3.2 VP .000 / 12.0 WF .002669 / 6.1 TF .252 / 3.0 LATE 12.0 UP .194 / 3.2 VP .207 / 6.8 WF .002669 / 6.1 TF .252 / 3.0 LATE 18.0 UP .198 / 3.2 VP .207 / 6.7 WF .001776 / 5.8 TF .202 / 2.9 LATE 36.0 UP .188 / 2.8 VP .215 / 6.2 WF .001266 / 6.0 TF .232 / 3.0 LATE 30.0 UP .188 / 2.8 VP .215 / 6.2 WF .00126 / 5.6 TF .202 / 2.9 LATE 36.0 UP .166 / 2.1 VP .188 / 5.6 TF .000284 / 4.8 TF .005 / 2.6 LATE 42.0 UP .166 / 2.1 VP .189 / 5.6 WF .000284 / 4.8 TF .130 / 2.8 LATE 36.0 UP .176 / 2.5 VP .198 / 5.6 WF .000284 / 4.3 TF .005 / 2.6 LATE 42.0 UP .166 / 2.1 VP .189 / 5.6 WF .000284 / 4.3 TF .005 / 2.7 LATE 42.0 UP .166 / 2.1 VP .189 / 5.4 WF .000284 / 4.3 TF .005 / 2.7 LATE 42.0 UP .166 / 2.1 VP .189 / 5.4 WF .000284 / 4.3 TF .005 / 2.7 LATE 54.0 UP .137 / 1.1 VP .150 / 4.7 WF .000254 / 4.3 TF .005 / 2.7 LATE 54.0 UP .157 / 1.7 VP .170 / 4.7 WF .000255 / 4.0 TF .004 / 2.6 LATE 66.0 UP .113 / .9 VP .120 / 4.0 WF .000262 / 4.8 TF .004 / 2.5 LATE 60.0 UP .107 / 4.1 VP .0000 / 12.0 WF .000402 / 4.8 TF .004 / 2.5 LATE 60.0 UP .005 / 5.7 VP .004 / 10.8 WF .000262 / 4.8 TF .004 / 2.5 LATE 60.0 UP .005 / 5.7 VP .004 / 10.8 WF .000262 / 4.8 TF .004 / 2.6 LATE 78.0 UP .005 / 5.7 VP .004 / 10.8 WF .000262 / 4.8 TF .004 / 9.5 LATE 60.0 UP .007 / 4.1 VP .000 / 12.0 WF .000406 / 4.3 TF .004 / 9.5 LATE 60.0 UP .007 / 9.1 VP .007 / 11.4 WF .00066 / 2.8 TF .004 / 9.5 LATE 60.0 UP .007 / 9.1 VP .007 / 11.4 WF .000062 / 2.8 TF .004 / 9.5 LATE 60.0 UP .007 / 9.1 VP .007 / 11.4					
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LATE 60.0 U= .220 / 2.0 v= .234 / 4.9 w= .000135 / 6.9 T= .015 / 4.3 LATE 60.0 U= .193 / 1.9 v= .202 / 4.8 w= .000067 / 6.7 T= .008 / 4.8 LATE 66.0 U= .159 / 1.8 v= .166 / 4.8 w= .000067 / 6.7 T= .006 / 4.1 LATE 72.0 U= .127 / 1.9 v= .125 / 4.7 w= .000017 / 7.5 T= .001 / 5.5 LATE 78.0 U= .081 / 1.6 v= .083 / 4.7 w= .000017 / 7.5 T= .001 / 5.5 LATE 78.0 U= .081 / 1.6 v= .083 / 4.7 w= .000017 / 10.5 T= .002 / 6.5 Z= 30.985 KM LATE 0.0 U= .186 / 3.2 v= .009 / 6.9 w= .002809 / 6.1 T= .259 / 3.0 LATE 12.0 U= .194 / 3.2 v= .009 / 6.9 w= .002869 / 6.1 T= .252 / 3.0 LATE 12.0 U= .194 / 3.2 v= .089 / 6.9 w= .002869 / 6.1 T= .252 / 3.0 LATE 18.0 U= .194 / 3.2 v= .089 / 6.5 w= .001776 / 5.8 T= .202 / 2.9 LATE 24.0 U= .196 / 3.1 v= .223 / 6.5 w= .001776 / 5.8 T= .202 / 2.9 LATE 36.0 U= .188 / 2.8 v= .215 / 6.2 w= .00841 / 5.2 T= .167 / 2.8 LATE 36.0 U= .166 / 2.1 v= .182 / 5.1 w= .000844 / 4.8 T= .095 / 2.7 LATE 48.0 U= .166 / 2.1 v= .182 / 5.1 w= .000844 / 4.8 T= .095 / 2.7 LATE 48.0 U= .166 / 2.1 v= .182 / 5.1 w= .000325 / 4.0 T= .041 / 2.6 LATE 60.0 U= .137 / 1.7 v= .170 / 4.7 w= .000025 / 4.0 T= .041 / 2.6 LATE 60.0 U= .137 / 1.1 v= .142 / 4.1 w= .000126 / 3.9 T= .024 / 2.5 LATE 72.0 U= .093 / 1.0 v= .092 / 3.9 w= .000200 / 6.0 T= .033 / 3.1 LATE 78.0 U= .005 / 5.7 v= .006 / 10.5 w= .003602 / 6.1 T= .535 / 3.1 LATE 78.0 U= .006 / .8 v= .006 / 10.5 w= .003602 / 6.1 T= .535 / 3.1 LATE 24.0 U= .006 / 5.7 v= .006 / 10.5 w= .003602 / 6.1 T= .535 / 3.1 LATE 24.0 U= .006 / 5.7 v= .006 / 10.5 w= .003602 / 6.1 T= .535 / 3.1 LATE 36.0 U= .006 / 3.9 v= .009 / 3.9 w= .000020 / 6.0 T= .003 / 3.3 LATE 78.0 U= .006 / 3.9 v= .009 / 11.7 w= .00066 / 2.8 T= .009 / 2.4 LATE 60.0 U= .007 / 9.1 v= .006 / 10.5 w= .003602 / 6.1 T= .535 / 3.1 LATE 36.0 U= .006 / 3.9 v= .009 / 11.7 w= .00066 / 2.8 T= .009 / 2.4 LATE 36.0 U= .007 / 9.3 v= .009 / 11.7 w= .00066 / 2.8 T= .009 / 2.4 LATE 36.0 U= .006 / 6.9 v= .002 / 11.1 w= .00066 / 2.8 T= .009 / 2.6 LATE 36.0 U= .003 / 9.3 v= .009 / 11.7 w= .00066 / 2.8 T= .009 / 2.5 LATE 36.0 U= .003 / 9.3 v=					
LATE 60.0 U= .193 / 1.9 V= .202 / 4.8 W= .000060 / 7.6 T= .008 / 4.8 LATE 66.0 U= .159 / 1.8 V= .166 / 4.8 W= .000057 / 6.7 T= .006 / 4.1 LATE 72.0 U= .127 / 1.9 V= .125 / 4.7 W= .000017 / 7.5 T= .001 / 5.5 LATE 78.0 U= .081 / 1.6 V= .083 / 4.7 W= .000017 / 7.5 T= .001 / 5.5 LATE 78.0 U= .081 / 1.6 V= .083 / 4.7 W= .000017 / 10.5 T= .002 / 6.5 Z= 30.985 KM LATE 0.0 U= .186 / 3.2 V= .000 / 12.0 W= .002809 / 6.1 T= .259 / 3.0 LATE 18.0 U= .189 / 3.2 V= .089 / 6.9 W= .002669 / 6.1 T= .252 / 3.0 LATE 18.0 U= .194 / 3.2 V= .207 / 6.7 W= .001776 / 5.8 T= .202 / 2.9 LATE 24.0 U= .198 / 3.1 V= .223 / 6.5 W= .001263 / 5.6 T= .167 / 2.8 LATE 30.0 U= .188 / 2.8 V= .215 / 6.2 W= .000841 / 5.2 T= .130 / 2.8 LATE 36.0 U= .176 / 2.5 V= .138 / 5.6 W= .000544 / 4.8 T= .095 / 2.7 LATE 42.0 U= .166 / 2.1 V= .182 / 5.1 W= .000544 / 4.8 T= .095 / 2.7 LATE 48.0 U= .157 / 1.7 V= .116 / 5.6 W= .000544 / 4.8 T= .095 / 2.6 LATE 48.0 U= .157 / 1.7 V= .116 / 4.7 W= .000254 / 4.8 T= .009 / 2.7 LATE 48.0 U= .137 / 1.1 V= .122 / 4.1 W= .000554 / 4.8 T= .009 / 2.4 LATE 60.0 U= .137 / 1.1 V= .158 / 4.3 W= .000162 / 3.9 T= .024 / 2.5 LATE 60.0 U= .113 / .9 V= .120 / 4.0 W= .00065 / 2.8 T= .009 / 2.4 LATE 60.0 U= .016 / 4.2 V= .004 / 10.1 W= .00065 / 2.8 T= .009 / 2.4 LATE 60.0 U= .016 / 4.3 V= .006 / 3.9 W= .000050 / .7 T= .004 / 9.5 LATE 78.0 U= .005 / .8 V= .006 / 3.9 W= .000050 / .7 T= .004 / 9.5 LATE 78.0 U= .005 / .8 V= .006 / 3.9 W= .000050 / .7 T= .004 / 9.5 LATE 78.0 U= .005 / .8 V= .006 / 10.1 W= .00418 / 6.2 T= .535 / 3.1 LATE 78.0 U= .005 / .8 V= .006 / 10.1 W= .00418 / 6.2 T= .535 / 3.1 LATE 78.0 U= .005 / .8 V= .006 / 10.1 W= .00066 / 2.8 T= .009 / 2.4 LATE 78.0 U= .005 / .8 V= .006 / 10.1 W= .00066 / 2.8 T= .009 / 2.4 LATE 78.0 U= .005 / .8 V= .006 / 10.1 W= .00066 / 2.8 T= .357 / 2.7 LATE 78.0 U= .005 / .8 V= .006 / 10.1 W= .00066 / 3.4 T= .353 / 2.2 LATE 78.0 U= .005 / .8 V= .006 / 10.1 W= .00066 / 3.4 T= .353 / 2.2 LATE 78.0 U= .005 / .8 V= .006 / 10.1 W= .00066 / 3.4 T= .353 / 2.2 LATE 78.0 U= .005 / .8 V= .006 / 10.1 W= .					
LATE 66.0 U= .159 / 1.8 V= .166 / 4.8 W= .000057 / 6.7 T= .006 / 4.1 LAT- 72.0 U= .127 / 1.9 V= .125 / 4.7 W= .000017 / 7.5 T= .001 / 5.5 LAT= 78.0 U= .081 / 1.6 V= .083 / 4.7 W= .000017 / 7.5 T= .001 / 5.5 LAT= 78.0 U= .081 / 1.6 V= .083 / 4.7 W= .000017 / 10.5 T= .002 / 6.5 LAT= 78.0 U= .081 / 1.6 V= .083 / 4.7 W= .000017 / 10.5 T= .002 / 6.5 LAT= 78.0 U= .186 / 3.2 V= .083 / 4.7 W= .002809 / 6.1 T= .259 / 3.0 LAT= 12.0 U= .194 / 3.2 V= .169 / 6.8 W= .002669 / 6.1 T= .252 / 3.0 LAT= 18.0 U= .194 / 3.2 V= .169 / 6.8 W= .002669 / 6.1 T= .252 / 3.0 LAT= 18.0 U= .198 / 3.2 V= .267 / 6.7 W= .001776 / 5.8 T= .202 / 2.9 LAT= 24.0 U= .196 / 3.1 V= .223 / 6.5 W= .001263 / 5.6 T= .167 / 2.8 LAT= 30.0 U= .188 / 2.8 V= .215 / 6.2 W= .000841 / 5.2 T= .130 / 2.8 LAT= 30.0 U= .166 / 2.1 V= .182 / 5.1 W= .000534 / 4.3 T= .055 / 2.6 LAT= 48.0 U= .166 / 2.1 V= .182 / 5.1 W= .000354 / 4.3 T= .055 / 2.6 LAT= 48.0 U= .157 / 1.7 V= .170 / 4.7 W= .000255 / 4.0 T= .041 / 2.6 LAT= 60.0 U= .137 / 1.1 V= .142 / 4.1 W= .000652 / 2.8 T= .001 / 2.6 LAT= 72.0 U= .093 / 1.0 V= .092 / 3.9 W= .0002020 / 6.0 T= .003 / 3.3 LAT= 78.0 U= .016 / 4.2 V= .004 / 10.1 W= .004418 / 6.2 T= .594 / 3.1 LAT= 78.0 U= .005 / .8 V= .0060 / 3.9 W= .000050 / .7 T= .004 / 9.5 LAT= 24.0 U= .005 / 9.8 V= .0060 / 3.9 W= .000050 / .7 T= .004 / 9.5 LAT= 24.0 U= .005 / 9.3 V= .002 / 11.1 W= .004418 / 6.2 T= .594 / 3.1 LAT= 78.0 U= .005 / 9.3 V= .008 / 10.5 W= .00060 / 3.9 W= .000050 / .7 T= .004 / 9.5 LAT= 24.0 U= .005 / 5.7 V= .014 / 10.8 W= .00565 / 2.8 T= .009 / 2.4 LAT= 24.0 U= .005 / 5.7 V= .014 / 10.8 W= .00056 / 2.8 T= .009 / 2.4 LAT= 24.0 U= .005 / 5.7 V= .014 / 10.8 W= .00066 / 2.8 T= .009 / 2.4 LAT= 24.0 U= .005 / 5.7 V= .014 / 10.8 W= .00066 / 2.8 T= .004 / 9.5 LAT= 24.0 U= .005 / 5.7 V= .014 / 10.8 W= .00066 / 2.8 T= .004 / 9.5 LAT= 24.0 U= .005 / 5.7 V= .014 / 10.8 W= .00066 / 2.8 T= .004 / 9.5 LAT= 24.0 U= .005 / 9.3 V= .009 / 11.7 W= .00066 / 2.8 T= .004 / 9.5 LAT= 24.0 U= .0023 / 9.3 V= .009 / 11.7 W= .00066 / 2.8 T= .357 / 2.7 LAT= 30.0 U= .003 / 9.3					
LAT = 72.0 U = .127 / 1.9 V = .125 / 4.7 W = .000017 / 7.5 T = .001 / 5.5 LAT = 78.0 U = .0081 / 1.6 V = .0083 / 4.7 W = .000017 / 10.5 T = .002 / 6.5 Z = 30.985 KM LAT = 0.0 U = .186 / 3.2 V = .0000 / 12.0 W = .002809 / 6.1 T = .259 / 3.0 LAT = 6.0 U = .189 / 3.2 V = .0089 / 6.9 W = .002669 / 6.1 T = .252 / 3.0 LAT = 12.0 U = .194 / 3.2 V = .162 / 6.8 W = .002286 / 6.0 T = .232 / 3.0 LAT = 18.0 U = .198 / 3.2 V = .207 / 6.7 W = .00176 / 5.8 T = .202 / 2.9 LAT = 24.0 U = .196 / 3.1 V = .223 / 6.5 W = .001263 / 5.6 T = .167 / 2.8 LAT = 36.0 U = .176 / 2.5 V = .198 / 5.2 W = .000841 / 5.2 T = .130 / 2.8 LAT = 36.0 U = .166 / 2.1 V = .182 / 5.1 W = .000544 / 4.8 T = .095 / 2.7 LAT = 48.0 U = .157 / 1.7 V = .170 / 4.7 W = .000054 / 4.3 T = .065 / 2.6 LAT = 48.0 U = .157 / 1.7 V = .170 / 4.7 W = .000055 / 4.0 T = .041 / 2.6 LAT = 51.0 U = .137 / 1.1 V = .142 / 4.1 W = .000065 / 2.8 T = .009 / 2.4 LAT = 66.0 U = .137 / 1.1 V = .142 / 4.1 W = .000065 / 2.8 T = .009 / 2.4 LAT = 66.0 U = .113 / .9 V = .120 / 4.0 W = .000062 / 4.8 T = .009 / 2.4 LAT = 66.0 U = .016 / 4.2 V = .092 / 3.9 W = .000060 / 0.0 T = .003 / 3.3 LAT = 78.0 U = .005 / 5.7 V = .014 / 10.8 W = .000559 / 5.8 T = .594 / 3.1 LAT = 18.0 U = .005 / 5.7 V = .014 / 10.8 W = .00050 / 0.7 T = .004 / 9.5 LAT = 60.0 U = .005 / 7.9 I = .006 / 3.9 W = .000050 / 0.7 T = .004 / 9.5 LAT = 20.0 U = .005 / 7.9 I = .006 / 3.9 W = .000050 / 0.7 T = .004 / 9.5 LAT = 20.0 U = .005 / 7.9 I = .006 / 3.9 W = .000050 / 0.7 T = .004 / 9.5 LAT = 20.0 U = .005 / 7.9 I = .004 / 10.1 W = .004418 / 6.2 T = .594 / 3.1 LAT = 18.0 U = .005 / 5.7 V = .014 / 10.8 W = .00050 / 0.7 T = .004 / 9.5 LAT = 20.0 U = .005 / 7.9 I = .006 / 0.0 V = .0060 / 0.0 T = .003 / 0.3 I = .0060 / 0.0 T = .003 / 0.3 I = .0060 / 0.0 T = .003 / 0.3 I = .0060 / 0.0 T = .003 / 0.3 I = .0060 / 0.0 T = .003 / 0.3 I = .0060 / 0.0 T = .0060	LAT= 60.0 U=			w= .000060 / 7.6	T= .008 / 4.8 (
LAT= 78.0		.159 / 1.8 v	166 / 4.8	W= .000057 / 6.7	T= .006 / 4.1
Z= 30.985 KM LAT= 0.0 U= .186 / 3.2 V= 0.000 / 12.0 W= .002809 / 6.1 T= .259 / 3.0 LAT= 6.0 U= .189 / 3.2 V= .089 / 6.9 W= .002669 / 6.1 T= .252 / 3.0 LAT= 12.0 U= .194 / 3.2 V= .162 / 6.8 W= .002286 / 6.0 T= .232 / 3.0 LAT= 18.0 U= .198 / 3.2 V= .207 / 6.7 W= .001776 / 5.8 T= .202 / 2.9 LAT= 24.0 U= .196 / 3.1 V= .223 / 6.5 W= .001263 / 5.6 T= .167 / 2.8 LAT= 30.0 U= .188 / 2.8 V= .215 / 6.2 W= .000841 / 5.2 T= .130 / 2.8 LAT= 36.0 U= .176 / 2.5 V= .198 / 5.6 W= .000844 / 4.8 T= .095 / 2.7 LAT= 42.0 U= .166 / 2.1 V= .182 / 5.1 W= .000544 / 4.8 T= .095 / 2.7 LAT= 42.0 U= .166 / 2.1 V= .182 / 5.1 W= .000354 / 4.3 T= .065 / 2.6 LAT= 60.0 U= .137 / 1.1 V= .112 / 4.1 W= .000062 / 4.3 T= .065 / 2.6 LAT= 60.0 U= .113 / .9 V= .110 / 4.7 W= .00025 / 4.0 T= .041 / 2.6 LAT= 60.0 U= .113 / .9 V= .112 / 4.1 W= .000065 / 2.8 T= .009 / 2.4 LAT= 66.0 U= .113 / .9 V= .120 / 4.0 W= .000062 / 4.8 T= .000 / 2.4 LAT= 72.0 U= .093 / 1.0 V= .092 / 3.9 W= .000020 / 6.0 T= .003 / 3.3 LAT= 78.0 U= .005 / 5.7 V= .014 / 10.8 W= .000559 / 5.8 T= .450 / 2.9 LAT= 6.0 U= .0065 / .8 V= .0060 / 3.9 W= .000050 / .7 T= .004 / 9.5 LAT= 24.0 U= .005 / 7.9 1 V= .007 / 11.1 W= .00065 / 2.8 T= .009 / 2.4 LAT= 18.0 U= .005 / 5.7 V= .014 / 10.8 W= .000559 / 5.8 T= .450 / 2.9 LAT= 24.0 U= .005 / 5.7 V= .014 / 10.8 W= .000559 / 5.8 T= .450 / 2.9 LAT= 24.0 U= .005 / 5.7 V= .014 / 10.8 W= .000559 / 5.8 T= .450 / 2.9 LAT= 24.0 U= .005 / 5.7 V= .014 / 10.8 W= .000559 / 5.8 T= .450 / 2.9 LAT= 24.0 U= .005 / 5.7 V= .014 / 10.8 W= .000559 / 5.8 T= .450 / 2.9 LAT= 24.0 U= .005 / 5.7 V= .014 / 10.8 W= .000559 / 5.8 T= .450 / 2.9 LAT= 24.0 U= .005 / 5.7 V= .014 / 10.8 W= .000559 / 5.8 T= .450 / 2.9 LAT= 24.0 U= .005 / 5.7 V= .014 / 10.8 W= .000559 / 5.8 T= .450 / 2.9 LAT= 24.0 U= .005 / 5.7 V= .014 / 10.8 W= .000569 / 4.3 T= .935 / 2.7 LAT= 30.0 U= .007 / 9.1 V= .007 / 11.4 W= .001067 / 4.3 T= .935 / 2.7 LAT= 30.0 U= .007 / 9.1 V= .007 / 11.4 W= .001067 / 4.3 T= .935 / 2.7 LAT= 30.0 U= .002 / 10.3 V= .0024 / 10.1 W= .000666 / 4.3 T= .193 / 2.2 LAT= 40.0 U= .0024	LAT= 72.0 U=	.127 / 1.9 y	.125 / 4.7	w= .000017 / 7.5	T= .001 / 5.5
LATE 0.0 U= .186 / 3.2 V= 0.000 / 12.0 W= .002809 / 6.1 T= .259 / 3.0 LATE 6.0 U= .189 / 3.2 V= .089 / 6.9 W= .002669 / 6.1 T= .252 / 3.0 LATE 12.0 U= .194 / 3.2 V= .162 / 6.8 W= .002266 / 6.0 T= .232 / 3.0 LATE 18.0 U= .198 / 3.2 V= .207 / 6.7 W= .001776 / 5.8 T= .202 / 2.9 LATE 24.0 U= .196 / 3.1 V= .223 / 6.5 W= .001263 / 5.6 T= .167 / 2.8 LATE 30.0 U= .188 / 2.8 V= .215 / 6.2 W= .001263 / 5.6 T= .167 / 2.8 LATE 36.0 U= .176 / 2.5 V= .198 / 5.6 W= .001263 / 5.6 T= .167 / 2.8 LATE 36.0 U= .176 / 2.5 V= .198 / 5.6 W= .000544 / 4.8 T= .095 / 2.7 LATE 42.0 U= .166 / 2.1 V= .182 / 5.1 W= .000544 / 4.3 T= .065 / 2.6 LATE 48.0 U= .157 / 1.7 V= .170 / 4.7 W= .000225 / 4.0 T= .041 / 2.6 LATE 48.0 U= .157 / 1.7 V= .170 / 4.7 W= .000225 / 4.0 T= .041 / 2.6 LATE 66.0 U= .137 / 1.1 V= .142 / 4.1 W= .00065 / 2.8 T= .009 / 2.4 LATE 66.0 U= .137 / 1.1 V= .142 / 4.1 W= .00065 / 2.8 T= .009 / 2.4 LATE 72.0 U= .093 / 1.0 V= .092 / 3.9 W= .000020 / 6.0 T= .003 / 3.3 LATE 78.0 U= .005 / 5.7 V= .004 / 10.1 W= .004721 / 6.3 T= .535 / 3.1 LATE 18.0 U= .005 / 5.7 V= .004 / 10.1 W= .004721 / 6.3 T= .594 / 3.1 LATE 18.0 U= .005 / 5.7 V= .004 / 10.1 W= .004062 / 4.8 T= .010 / 2.6 LATE 44.0 U= .009 / 8.6 V= .002 / 11.1 W= .000062 / 6.1 T= .535 / 3.1 LATE 18.0 U= .005 / 5.7 V= .004 / 10.1 W= .004065 / 2.8 T= .594 / 3.1 LATE 18.0 U= .005 / 5.7 V= .004 / 10.1 W= .004065 / 2.8 T= .594 / 3.1 LATE 18.0 U= .005 / 5.7 V= .004 / 10.1 W= .004065 / 2.8 T= .450 / 2.9 LATE 34.0 U= .009 / 8.6 V= .002 / 11.1 W= .003602 / 6.1 T= .535 / 3.1 LATE 30.0 U= .007 / 9.1 V= .002 / 11.4 W= .001065 / 4.3 T= .669 / 2.5 LATE 30.0 U= .007 / 9.1 V= .002 / 11.4 W= .000666 / 2.8 T= .335 / 2.7 LATE 30.0 U= .007 / 9.1 V= .002 / 11.4 W= .000666 / 2.8 T= .132 / 2.0 LATE 30.0 U= .0024 / 9.5 V= .004 / 10.8 W= .000667 / 2.8 T= .132 / 2.0 LATE 48.0 U= .0024 / 9.5 V= .004 / 10.8 W= .000667 / 2.8 T= .132 / 2.0 LATE 48.0 U= .0024 / 9.5 V= .004 / 10.8 W= .000667 / 2.8 T= .132 / 2.0 LATE 48.0 U= .0024 / 9.5 V= .004 / 10.8 W= .0000674 / 2.5 T= .055 / 1.5 LATE 60.0 U= .0024 / 9.9 V=	LAT= 78.0 U=	.081 / 1.6 V	.083 / 4.7	w= .000017 / 10.5	T= .002 / 6.5
LATE 0.0 U= .186 / 3.2 V= 0.000 / 12.0 W= .002809 / 6.1 T= .259 / 3.0 LATE 6.0 U= .189 / 3.2 V= .089 / 6.9 W= .002669 / 6.1 T= .252 / 3.0 LATE 12.0 U= .194 / 3.2 V= .162 / 6.8 W= .002266 / 6.0 T= .232 / 3.0 LATE 18.0 U= .198 / 3.2 V= .207 / 6.7 W= .001776 / 5.8 T= .202 / 2.9 LATE 24.0 U= .196 / 3.1 V= .223 / 6.5 W= .001263 / 5.6 T= .167 / 2.8 LATE 30.0 U= .188 / 2.8 V= .215 / 6.2 W= .001263 / 5.6 T= .167 / 2.8 LATE 36.0 U= .176 / 2.5 V= .198 / 5.6 W= .000841 / 5.2 T= .130 / 2.8 LATE 36.0 U= .176 / 2.5 V= .198 / 5.6 W= .000544 / 4.8 T= .095 / 2.7 LATE 42.0 U= .166 / 2.1 V= .182 / 5.1 W= .000544 / 4.3 T= .065 / 2.6 LATE 48.0 U= .157 / 1.7 V= .170 / 4.7 W= .000354 / 4.3 T= .065 / 2.6 LATE 48.0 U= .157 / 1.7 V= .170 / 4.7 W= .000225 / 4.0 T= .041 / 2.6 LATE 66.0 U= .137 / 1.1 V= .142 / 4.1 W= .00055 / 2.8 T= .009 / 2.4 LATE 66.0 U= .137 / 1.1 V= .142 / 4.1 W= .00065 / 2.8 T= .009 / 2.4 LATE 72.0 U= .093 / 1.0 V= .092 / 3.9 W= .000020 / 6.0 T= .003 / 3.3 LATE 78.0 U= .005 / 5.7 V= .014 / 10.8 W= .00050 / .7 T= .004 / 9.5 Z= 30.378 KM Z= 30.378 KM Z= 30.378 LATE 20.0 U= .000 / 8.6 V= .002 / 11.1 W= .004721 / 6.3 T= .615 / 3.2 LATE 30.0 U= .005 / 5.7 V= .014 / 10.8 W= .00259 / 5.8 T= .450 / 2.9 LATE 40.0 U= .009 / 8.6 V= .002 / 11.1 W= .003602 / 6.1 T= .535 / 3.1 LATE 18.0 U= .005 / 5.7 V= .014 / 10.8 W= .003602 / 6.1 T= .535 / 3.1 LATE 30.0 U= .007 / 9.1 V= .002 / 11.1 W= .003602 / 6.1 T= .535 / 3.1 LATE 30.0 U= .007 / 9.1 V= .002 / 11.1 W= .001617 / 5.2 T= .357 / 2.7 LATE 30.0 U= .007 / 9.1 V= .002 / 11.1 W= .001665 / 2.8 T= .450 / 2.9 LATE 30.0 U= .007 / 9.1 V= .002 / 11.1 W= .001667 / 2.5 T= .357 / 2.7 LATE 30.0 U= .002 / 9.3 V= .002 / 11.2 W= .000666 / 2.8 T= .132 / 2.0 LATE 48.0 U= .0024 / 9.5 V= .0024 / .6 W= .000674 / 2.5 T= .055 / 1.5 LATE 48.0 U= .0024 / 9.5 V= .0024 / .6 W= .000674 / 2.5 T= .055 / 1.5 LATE 48.0 U= .0024 / 9.9 V= .024 / .6 W= .000674 / 2.5 T= .055 / 1.5 LATE 60.0 U= .018 / 11.4 V= .019 / 1.8 W= .0000299 / 2.1 T= .004 / .9 UATE 40.0 U= .003 / 10.3 V= .011 / 1.8 W= .000049 / 4.0 T= .004					
LAT= 6.0 U= .189 / 3.2 V= .089 / 6.9 W= .002669 / 6.1 T= .252 / 3.0 LAT= 12.0 U= .194 / 3.2 V= .162 / 6.8 W= .00286 / 6.0 T= .232 / 3.0 LAT= 18.0 U= .198 / 3.2 V= .207 / 6.7 W= .001776 / 5.8 T= .202 / 2.9 LAT= 24.0 U= .196 / 3.1 V= .223 / 6.5 W= .001263 / 5.6 T= .167 / 2.8 LAT= 30.0 U= .188 / 2.8 V= .215 / 6.2 W= .001263 / 5.6 T= .167 / 2.8 LAT= 36.0 U= .176 / 2.5 V= .198 / 5.6 W= .000544 / 4.8 T= .095 / 2.7 LAT= 42.0 U= .166 / 2.1 V= .182 / 5.1 W= .000354 / 4.3 T= .065 / 2.6 LAT= 48.0 U= .157 / 1.7 V= .170 / 4.7 W= .000354 / 4.3 T= .065 / 2.6 LAT= 48.0 U= .149 / 1.4 V= .158 / 4.3 W= .000142 / 3.9 T= .041 / 2.6 LAT= 66.0 U= .137 / 1.1 V= .142 / 4.1 W= .00065 / 2.8 T= .009 / 2.4 LAT= 66.0 U= .137 / 1.1 V= .142 / 4.1 W= .00065 / 2.8 T= .009 / 2.4 LAT= 66.0 U= .113 / .9 V= .120 / 4.0 W= .00065 / 4.8 T= .009 / 2.4 LAT= 78.0 U= .093 / 1.0 V= .092 / 3.9 W= .000020 / 6.0 T= .003 / 3.3 LAT= 78.0 U= .065 / .8 V= .060 / 3.9 W= .00050 / .7 T= .004 / 9.5 LAT= 18.0 U= .005 / 5.7 V= .014 / 10.8 W= .002559 / 5.8 T= .535 / 3.1 LAT= 18.0 U= .005 / 5.7 V= .014 / 10.8 W= .002559 / 5.8 T= .535 / 3.1 LAT= 24.0 U= .009 / 8.6 V= .022 / 11.1 W= .001617 / 5.2 T= .535 / 3.1 LAT= 24.0 U= .009 / 8.6 V= .022 / 11.1 W= .001617 / 5.2 T= .535 / 3.1 LAT= 30.0 U= .007 / 9.1 V= .027 / 11.4 W= .001667 / 5.2 T= .357 / 2.7 LAT= 36.0 U= .023 / 9.3 V= .029 / 11.7 W= .000866 / 2.8 T= .132 / 2.0 LAT= 36.0 U= .023 / 9.3 V= .029 / 11.7 W= .000667 / 2.8 T= .357 / 2.7 LAT= 36.0 U= .024 / 9.5 V= .028 / 11.4 W= .001667 / 2.5 T= .357 / 2.7 LAT= 36.0 U= .024 / 9.5 V= .028 / 11.4 W= .000866 / 2.8 T= .132 / 2.0 LAT= 48.0 U= .024 / 9.5 V= .024 / .6 W= .000674 / 2.5 T= .005 / 1.7 LAT= 66.0 U= .024 / 9.5 V= .024 / .6 W= .000674 / 2.5 T= .005 / 1.7 LAT= 66.0 U= .024 / 9.5 V= .024 / .6 W= .000674 / 2.5 T= .005 / 1.7 LAT= 66.0 U= .024 / 9.5 V= .024 / .6 W= .000674 / 2.5 T= .005 / 1.7 LAT= 66.0 U= .024 / 9.5 V= .024 / .6 W= .000674 / 2.5 T= .005 / 1.7 LAT= 66.0 U= .024 / 9.5 V= .024 / .6 W= .000674 / 2.5 T= .005 / 1.7 LAT= 66.0 U= .024 / 9.5 V= .024 / .6 W= .000674 / 2	Z= 30.985 KM				
LAT= 6.0 U= .189 / 3.2 V= .089 / 6.9 W= .002669 / 6.1 T= .252 / 3.0 LAT= 12.0 U= .194 / 3.2 V= .162 / 6.8 W= .00286 / 6.0 T= .232 / 3.0 LAT= 18.0 U= .198 / 3.2 V= .207 / 6.7 W= .001776 / 5.8 T= .202 / 2.9 LAT= 24.0 U= .196 / 3.1 V= .223 / 6.5 W= .001263 / 5.6 T= .167 / 2.8 LAT= 30.0 U= .188 / 2.8 V= .215 / 6.2 W= .001263 / 5.6 T= .167 / 2.8 LAT= 36.0 U= .176 / 2.5 V= .198 / 5.6 W= .000544 / 4.8 T= .095 / 2.7 LAT= 42.0 U= .166 / 2.1 V= .182 / 5.1 W= .000354 / 4.3 T= .065 / 2.6 LAT= 48.0 U= .157 / 1.7 V= .170 / 4.7 W= .000354 / 4.3 T= .065 / 2.6 LAT= 48.0 U= .149 / 1.4 V= .158 / 4.3 W= .000142 / 3.9 T= .041 / 2.6 LAT= 66.0 U= .137 / 1.1 V= .142 / 4.1 W= .00065 / 2.8 T= .009 / 2.4 LAT= 66.0 U= .113 / .9 V= .120 / 4.0 W= .000065 / 4.8 T= .009 / 2.4 LAT= 66.0 U= .093 / 1.0 V= .092 / 3.9 W= .000020 / 6.0 T= .003 / 3.3 LAT= 78.0 U= .065 / .8 V= .060 / 3.9 W= .00050 / .7 T= .004 / 9.5 LAT= 18.0 U= .005 / 5.7 V= .004 / 10.1 W= .00418 / 6.2 T= .535 / 3.1 LAT= 18.0 U= .005 / 5.7 V= .014 / 10.8 W= .002559 / 5.8 T= .535 / 3.1 LAT= 24.0 U= .005 / 5.7 V= .014 / 10.8 W= .002559 / 5.8 T= .535 / 3.1 LAT= 24.0 U= .009 / 8.6 V= .022 / 11.1 W= .001617 / 5.2 T= .535 / 3.1 LAT= 24.0 U= .009 / 8.6 V= .022 / 11.1 W= .001617 / 5.2 T= .357 / 2.7 LAT= 36.0 U= .017 / 9.1 V= .027 / 11.4 W= .001665 / 3.4 T= .535 / 3.1 LAT= 30.0 U= .007 / 9.5 V= .024 / 10.1 W= .001617 / 5.2 T= .357 / 2.7 LAT= 36.0 U= .023 / 9.3 V= .029 / 11.7 W= .001617 / 5.2 T= .357 / 2.7 LAT= 36.0 U= .023 / 9.3 V= .029 / 11.7 W= .001605 / 3.4 T= .133 / 2.0 LAT= 42.0 U= .024 / 9.5 V= .028 / 11.4 W= .001665 / 3.4 T= .133 / 2.0 LAT= 48.0 U= .024 / 9.5 V= .024 / .6 W= .000674 / 2.5 T= .005 / 1.5 LAT= 66.0 U= .024 / 9.5 V= .024 / .6 W= .000674 / 2.5 T= .005 / 1.5 LAT= 66.0 U= .024 / 9.5 V= .024 / .6 W= .000674 / 2.5 T= .005 / 1.5 LAT= 66.0 U= .024 / 9.9 V= .024 / .6 W= .000674 / 2.5 T= .005 / 1.5 LAT= 66.0 U= .024 / 9.9 V= .024 / .6 W= .000674 / 2.5 T= .005 / 1.5 LAT= 66.0 U= .024 / 9.9 V= .024 / .6 W= .000674 / 2.5 T= .005 / 1.5 LAT= 66.0 U= .024 / 9.9 V= .024 / .6 W= .000674 /					,
LAT= 12.0 U=					
LAT= 18.0 U= .198 / 3.2 V= .207 / 6.7 W= .001776 / 5.8 T= .202 / 2.9 LAT= 24.0 U= .196 / 3.1 V= .223 / 6.5 W= .001263 / 5.6 T= .167 / 2.8 LAT= 30.0 U= .188 / 2.8 V= .215 / 6.2 W= .000841 / 5.2 T= .130 / 2.8 LAT= 36.0 U= .176 / 2.5 V= .198 / 5.6 W= .000544 / 4.8 T= .095 / 2.7 LAT= 42.0 U= .166 / 2.1 V= .182 / 5.1 W= .000544 / 4.8 T= .095 / 2.7 LAT= 48.0 U= .157 / 1.7 V= .170 / 4.7 W= .000254 / 4.3 T= .065 / 2.6 LAT= 48.0 U= .157 / 1.7 V= .170 / 4.7 W= .000255 / 4.0 T= .041 / 2.6 LAT= 51.0 U= .149 / 1.4 V= .158 / 4.3 W= .000142 / 3.9 T= .024 / 2.5 LAT= 60.0 U= .137 / 1.1 V= .142 / 4.1 W= .000065 / 2.8 T= .009 / 2.4 LAT= 66.0 U= .113 / .9 V= .120 / 4.0 W= .000062 / 4.8 T= .010 / 2.6 LAT= 72.0 U= .093 / 1.0 V= .092 / 3.9 W= .000062 / 4.8 T= .010 / 2.6 LAT= 78.0 U= .065 / .8 V= .060 / 3.9 W= .000050 / .7 T= .004 / 9.5 Z= 36.378 KM LAT= 0.0 U= .017 / 4.1 V= 0.000 / 12.0 W= .004721 / 6.3 T= .615 / 3.2 LAT= 18.0 U= .005 / 5.7 V= .004 / 10.1 W= .004418 / 6.2 T= .594 / 3.1 LAT= 18.0 U= .005 / 5.7 V= .014 / 10.8 W= .002559 / 5.8 T= .450 / 2.9 LAT= 24.0 U= .009 / 8.6 V= .022 / 11.1 W= .001617 / 5.2 T= .357 / 2.7 LAT= 30.0 U= .017 / 9.1 V= .027 / 11.4 W= .001667 / 5.2 T= .357 / 2.7 LAT= 36.0 U= .023 / 9.3 V= .029 / 11.7 W= .000866 / 2.8 T= .132 / 2.0 LAT= 42.0 U= .023 / 9.3 V= .029 / 11.7 W= .000066 / 3.4 T= .193 / 2.2 LAT= 48.0 U= .024 / 9.5 V= .028 / 1.1 W= .000866 / 2.8 T= .132 / 2.0 LAT= 48.0 U= .024 / 9.5 V= .028 / 1.1 W= .000866 / 2.8 T= .132 / 2.0 LAT= 48.0 U= .024 / 9.9 V= .024 / .6 W= .000674 / 2.5 T= .085 / 1.7 LAT= 54.0 U= .024 / 9.9 V= .024 / .6 W= .000674 / 2.5 T= .085 / 1.7 LAT= 54.0 U= .021 / 10.3 V= .021 / 1.2 W= .00049 / 2.1 T= .024 / .9 LAT= 60.0 U= .018 / 11.4 V= .019 / 1.8 W= .000049 / 2.1 T= .024 / .9 LAT= 60.0 U= .023 / 0.3 V= .021 / 1.2 W= .000471 / 2.5 T= .085 / 1.7 LAT= 60.0 U= .021 / 10.3 V= .021 / 1.2 W= .00049 / 2.1 T= .024 / .9 LAT= 60.0 U= .023 / 10.3 V= .017 / 2.5 W= .000049 / 4.0 T= .006 / 1.9	LAT= 6.0 U=				
LAT= 24.0 U= .196 / 3.1 V= .223 / 6.5 W= .001263 / 5.6 T= .167 / 2.8 LAT= 30.0 U= .188 / 2.8 V= .215 / 6.2 W= .000841 / 5.2 T= .130 / 2.8 LAT= 36.0 U= .176 / 2.5 V= .198 / 5.6 W= .000544 / 4.8 T= .095 / 2.7 LAT= 42.0 U= .166 / 2.1 V= .182 / 5.1 W= .000354 / 4.3 T= .065 / 2.6 LAT= 48.0 U= .157 / 1.7 V= .170 / 4.7 W= .000252 / 4.0 T= .041 / 2.6 LAT= 54.0 U= .149 / 1.4 V= .158 / 4.3 W= .000124 / 3.9 T= .024 / 2.5 LAT= 60.0 U= .137 / 1.1 V= .142 / 4.1 W= .000065 / 2.8 T= .009 / 2.4 LAT= 66.0 U= .113 / .9 V= .120 / 4.0 W= .00065 / 2.8 T= .010 / 2.6 LAT= 72.0 U= .093 / 1.0 V= .092 / 3.9 W= .000062 / 4.8 T= .010 / 2.6 LAT= 78.0 U= .065 / .8 V= .060 / 3.9 W= .000050 / .7 T= .003 / 3.3 LAT= 18.0 U= .065 / 5.7 V= .064 / 10.1 W= .00418 / 6.2 T= .594 / 3.1 LAT= 18.0 U= .005 / 5.7 V= .014 / 10.8 W= .00418 / 6.2 T= .594 / 3.1 LAT= 18.0 U= .005 / 5.7 V= .014 / 10.8 W= .00259 / 5.8 T= .450 / 2.9 LAT= 24.0 U= .009 / 8.6 V= .022 / 11.1 W= .001617 / 5.2 T= .357 / 2.7 LAT= 30.0 U= .017 / 9.1 V= .022 / 11.1 W= .001617 / 5.2 T= .357 / 2.7 LAT= 30.0 U= .023 / 9.3 V= .022 / 11.1 W= .001617 / 5.2 T= .357 / 2.7 LAT= 36.0 U= .023 / 9.3 V= .029 / 11.7 W= .000966 / 3.4 T= .193 / 2.2 LAT= 42.0 U= .024 / 9.5 V= .028 / .1 W= .000826 / 2.8 T= .132 / 2.0 LAT= 48.0 U= .024 / 9.5 V= .028 / .1 W= .000826 / 2.8 T= .132 / 2.0 LAT= 48.0 U= .024 / 9.5 V= .028 / .1 W= .000826 / 2.8 T= .132 / 2.0 LAT= 54.0 U= .024 / 9.9 V= .024 / 6.8 W= .000671 / 2.5 T= .085 / 1.7 LAT= 54.0 U= .024 / 9.9 V= .024 / 6.8 W= .000671 / 2.5 T= .085 / 1.7 LAT= 54.0 U= .024 / 9.9 V= .024 / 6.8 W= .000671 / 2.5 T= .085 / 1.7 LAT= 54.0 U= .024 / 9.9 V= .024 / 6.8 W= .000671 / 2.5 T= .052 / 1.5 LAT= 66.0 U= .023 / 10.3 V= .017 / 2.5 W= .000147 / 3.3 T= .018 / 1.6 LAT= 72.0 U= .015 / 11.9 V= .014 / 3.0 W= .000049 / 4.0 T= .006 / 1.9					
LAT= 30.0 U= .188 / 2.8 V= .215 / 6.2 W= .000841 / 5.2 T= .130 / 2.8 LAT= 36.0 U= .176 / 2.5 V= .198 / 5.6 W= .000544 / 4.8 T= .095 / 2.7 LAT= 42.0 U= .166 / 2.1 V= .182 / 5.1 W= .000354 / 4.3 T= .065 / 2.6 LAT= 48.0 U= .157 / 1.7 V= .170 / 4.7 W= .000354 / 4.3 T= .041 / 2.6 LAT= 54.0 U= .157 / 1.7 V= .170 / 4.7 W= .00025 / 4.0 T= .041 / 2.6 LAT= 54.0 U= .149 / 1.4 V= .158 / 4.3 W= .000142 / 3.9 T= .024 / 2.5 LAT= 60.0 U= .137 / 1.1 V= .142 / 4.1 W= .00065 / 2.8 T= .009 / 2.4 LAT= 66.0 U= .113 / .9 V= .120 / 4.0 W= .00065 / 2.8 T= .009 / 2.4 LAT= 72.0 U= .093 / 1.0 V= .092 / 3.9 W= .000065 / 2.8 T= .0010 / 2.6 LAT= 72.0 U= .093 / 1.0 V= .092 / 3.9 W= .000020 / 6.0 T= .003 / 3.3 LAT= 78.0 U= .065 / .8 V= .060 / 3.9 W= .000050 / .7 T= .004 / 9.5 \end{array} Z= 36.378 KM LAT= 0.0 U= .017 / 4.1 V= .000 / 12.0 W= .004721 / 6.3 T= .615 / 3.2 LAT= 6.0 U= .016 / 4.2 V= .004 / 10.1 W= .004418 / 6.2 T= .594 / 3.1 LAT= 18.0 U= .005 / 5.7 V= .014 / 10.1 W= .004418 / 6.2 T= .594 / 3.1 LAT= 18.0 U= .005 / 5.7 V= .014 / 10.8 W= .002559 / 5.8 T= .450 / 2.9 LAT= 24.0 U= .009 / 8.6 V= .022 / 11.1 W= .001617 / 5.2 T= .357 / 2.7 LAT= 30.0 U= .017 / 9.1 V= .027 / 11.4 W= .001665 / 4.3 T= .269 / 2.5 LAT= 30.0 U= .023 / 9.3 V= .029 / 11.7 W= .000906 / 3.4 T= .193 / 2.2 LAT= 42.0 U= .024 / 9.5 V= .028 / .1 W= .000866 / 2.8 T= .132 / 2.0 LAT= 48.0 U= .024 / 9.5 V= .028 / .1 W= .000866 / 2.8 T= .132 / 2.0 LAT= 48.0 U= .024 / 9.5 V= .028 / .1 W= .000866 / 2.8 T= .132 / 2.0 LAT= 48.0 U= .024 / 9.5 V= .028 / .1 W= .000866 / 2.8 T= .132 / 2.0 LAT= 60.0 U= .021 / 10.3 V= .021 / 1.2 W= .000471 / 2.5 T= .085 / 1.7 LAT= 60.0 U= .021 / 10.3 V= .021 / 1.8 W= .000049 / 2.1 T= .0044 / .9 LAT= 60.0 U= .021 / 10.3 V= .021 / 1.8 W= .000049 / 2.1 T= .006 / 1.9 LAT= 60.0 U= .005 / 10.3 V= .001 / 1.8 W= .000049 / 2.1 T= .006 / 1.9 LAT= 60.0 U= .005 / 10.3 V= .001 / 1.8 W= .000049 / 4.0 T= .006 / 1.9 LAT= 72.0 U= .015 / 11.9 V= .014 / 3.0 W= .000049 / 4.0 T= .006 / 1.9 LAT= 72.0 U= .015 / 11.9 V= .016 / 3.0 W= .000049 / 4.0 U= .006 / 1.9 LAT= 72.0 U= .	LAT= 18.0 U=	.198 / 3.2 v	= .207 / 6.7	w= .001776 / 5.8	T= .202 / 2.9
LAT= 36.0 U= .176 / 2.5 V= .198 / 5.6 W= .000544 / 4.8 T= .095 / 2.7 LAT= 42.0 U= .166 / 2.1 V= .182 / 5.1 W= .000354 / 4.3 T= .065 / 2.6 LAT= 48.0 U= .157 / 1.7 V= .170 / 4.7 W= .000255 / 4.0 T= .041 / 2.6 LAT= 54.0 U= .149 / 1.4 V= .158 / 4.3 W= .000142 / 3.9 T= .024 / 2.5 LAT= 60.0 U= .137 / 1.1 V= .142 / 4.1 W= .00065 / 2.8 T= .009 / 2.4 LAT= 66.0 U= .137 / 1.1 V= .142 / 4.1 W= .00065 / 2.8 T= .009 / 2.4 LAT= 66.0 U= .113 / .9 V= .120 / 4.0 W= .00062 / 4.8 T= .010 / 2.6 LAT= 72.0 U= .093 / 1.0 V= .092 / 3.9 W= .000062 / 4.8 T= .010 / 2.6 LAT= 78.0 U= .065 / .8 V= .060 / 3.9 W= .000020 / 6.0 T= .003 / 3.3 LAT= 78.0 U= .065 / .8 V= .060 / 3.9 W= .000050 / .7 T= .004 / 9.5 Z= 36.378 KM LAT= 0.0 U= .017 / 4.1 V= .000 / 12.0 W= .004721 / 6.3 T= .615 / 3.2 LAT= 6.0 U= .016 / 4.2 V= .004 / 10.1 W= .004418 / 6.2 T= .594 / 3.1 LAT= 18.0 U= .005 / 5.7 V= .004 / 10.5 W= .003602 / 6.1 T= .535 / 3.1 LAT= 18.0 U= .005 / 5.7 V= .014 / 10.8 W= .002559 / 5.8 T= .450 / 2.9 LAT= 24.0 U= .009 / 8.6 V= .022 / 11.1 W= .001617 / 5.2 T= .357 / 2.7 LAT= 30.0 U= .017 / 9.1 V= .027 / 11.4 W= .001667 / 5.2 T= .357 / 2.7 LAT= 36.0 U= .023 / 9.3 V= .029 / 11.7 W= .000906 / 3.4 T= .193 / 2.2 LAT= 42.0 U= .024 / 9.5 V= .028 / .1 W= .000906 / 3.4 T= .193 / 2.2 LAT= 42.0 U= .024 / 9.5 V= .028 / .1 W= .000906 / 3.4 T= .193 / 2.2 LAT= 42.0 U= .024 / 9.5 V= .028 / .1 W= .000906 / 2.8 T= .132 / 2.0 LAT= 42.0 U= .024 / 9.5 V= .028 / .1 W= .000906 / 2.5 T= .085 / 1.7 LAT= 54.0 U= .024 / 9.9 V= .024 / .6 W= .000674 / 2.5 T= .085 / 1.7 LAT= 54.0 U= .021 / 10.3 V= .021 / 1.2 W= .000471 / 2.5 T= .0052 / 1.5 LAT= 60.0 U= .023 / 10.3 V= .021 / 1.2 W= .00049 / 2.1 T= .024 / .9 LAT= 60.0 U= .023 / 10.3 V= .017 / 2.5 W= .00049 / 4.0 T= .006 / 1.9 LAT= 72.0 U= .015 / 11.9 V= .017 / 2.5 W= .000049 / 4.0 T= .006 / 1.9	LAT= 24.0 U=	.196 / 3.1 y	= .223 / 6.5	w= .001263 / 5.6	T* .167 / 2.8
LAT= 42.0 U= .166 / 2.1 V= .182 / 5.1 W= .000354 / 4.3 T= .065 / 2.6 LAT= 48.0 U= .157 / 1.7 V= .170 / 4.7 W= .000255 / 4.0 T= .041 / 2.6 LAT= 54.0 U= .149 / 1.4 V= .158 / 4.3 W= .000142 / 3.9 T= .024 / 2.5 LAT= 60.0 U= .137 / 1.1 V= .142 / 4.1 W= .000065 / 2.8 T= .009 / 2.4 LAT= 66.0 U= .113 / .9 V= .120 / 4.0 W= .000065 / 2.8 T= .010 / 2.6 LAT= 72.0 U= .093 / 1.0 V= .092 / 3.9 W= .000062 / 4.8 T= .010 / 2.6 LAT= 72.0 U= .093 / 1.0 V= .092 / 3.9 W= .000062 / 4.8 T= .010 / 2.6 LAT= 78.0 U= .065 / .8 V= .060 / 3.9 W= .000020 / 6.0 T= .003 / 3.3 LAT= 78.0 U= .016 / 4.2 V= .004 / 10.1 W= .004418 / 6.2 T= .594 / 3.1 LAT= 18.0 U= .016 / 4.2 V= .004 / 10.1 W= .004418 / 6.2 T= .594 / 3.1 LAT= 18.0 U= .005 / 5.7 V= .014 / 10.8 W= .003602 / 6.1 T= .535 / 3.1 LAT= 18.0 U= .005 / 5.7 V= .014 / 10.8 W= .003602 / 6.1 T= .535 / 3.1 LAT= 24.0 U= .009 / 8.6 V= .022 / 11.1 W= .001617 / 5.2 T= .357 / 2.7 LAT= 30.0 U= .017 / 9.1 V= .027 / 11.4 W= .00165 / 4.3 T= .269 / 2.5 LAT= 36.0 U= .023 / 9.3 V= .029 / 11.7 W= .000906 / 3.4 T= .193 / 2.2 LAT= 42.0 U= .024 / 9.5 V= .028 / .1 W= .000826 / 2.8 T= .132 / 2.0 LAT= 42.0 U= .024 / 9.5 V= .028 / .1 W= .000826 / 2.8 T= .132 / 2.0 LAT= 42.0 U= .024 / 9.5 V= .028 / .1 W= .000826 / 2.8 T= .132 / 2.0 LAT= 54.0 U= .024 / 9.5 V= .028 / .1 W= .000826 / 2.5 T= .055 / 1.7 LAT= 54.0 U= .024 / 9.5 V= .028 / .1 W= .000826 / 2.5 T= .055 / 1.7 LAT= 54.0 U= .021 / 10.3 V= .021 / 1.8 W= .000674 / 2.5 T= .085 / 1.7 LAT= 54.0 U= .021 / 10.3 V= .021 / 1.8 W= .000674 / 2.5 T= .024 / .9 LAT= 66.0 U= .023 / 10.3 V= .017 / 2.5 W= .000471 / 3.3 T= .018 / 1.6 LAT= 72.0 U= .015 / 11.9 V= .017 / 2.5 W= .000049 / 4.0 T= .006 / 1.9	LAT = 30.0 U=	,188 / 2.8 V	= .215 / 6.2	w= .000841 / 5.2	T= .130 / 2.8
LAT= 48.0 U= .157 / 1.7 V= .170 / 4.7 W= .000225 / 4.0 T= .041 / 2.6 LAT= 54.0 U= .149 / 1.4 V= .158 / 4.3 W= .000142 / 3.9 T= .024 / 2.5 LAT= 60.0 U= .137 / 1.1 V= .142 / 4.1 W= .00065 / 2.8 T= .009 / 2.4 LAT= 66.0 U= .113 / .9 V= .120 / 4.0 W= .000062 / 4.8 T= .010 / 2.6 LAT= 72.0 U= .093 / 1.0 V= .092 / 3.9 W= .000020 / 6.0 T= .003 / 3.3 LAT= 78.0 U= .065 / .8 V= .060 / 3.9 W= .000020 / 6.0 T= .003 / 3.3 LAT= 78.0 U= .065 / .8 V= .060 / 3.9 W= .000050 / .7 T= .004 / 9.5 Z= 36.378 KM LAT= 0.0 U= .017 / 4.1 V= 0.000 / 12.0 W= .004721 / 6.3 T= .615 / 3.2 LAT= 6.0 U= .016 / 4.2 V= .004 / 10.1 W= .004418 / 6.2 T= .594 / 3.1 LAT= 12.0 U= .016 / 4.3 V= .008 / 10.5 W= .003602 / 6.1 T= .535 / 3.1 LAT= 18.0 U= .005 / 5.7 V= .014 / 10.8 W= .002559 / 5.8 T= .450 / 2.9 LAT= 24.0 U= .009 / 8.6 V= .022 / 11.1 W= .001617 / 5.2 T= .357 / 2.7 LAT= 30.0 U= .017 / 9.1 V= .027 / 11.4 W= .001665 / 4.3 T= .269 / 2.5 LAT= 36.0 U= .023 / 9.3 V= .029 / 11.7 W= .001065 / 4.3 T= .269 / 2.5 LAT= 42.0 U= .024 / 9.5 V= .028 / .1 W= .000906 / 3.4 T= .193 / 2.2 LAT= 42.0 U= .024 / 9.5 V= .028 / .1 W= .000906 / 3.4 T= .193 / 2.2 LAT= 48.0 U= .024 / 9.5 V= .028 / .1 W= .000906 / 3.4 T= .193 / 2.2 LAT= 48.0 U= .024 / 9.5 V= .028 / .1 W= .000906 / 2.8 T= .132 / 2.0 LAT= 54.0 U= .024 / 9.5 V= .028 / .1 W= .000906 / 2.5 T= .085 / 1.7 LAT= 54.0 U= .024 / 9.9 V= .024 / .6 W= .000674 / 2.5 T= .085 / 1.7 LAT= 60.0 U= .018 / 11.4 V= .019 / 1.8 W= .000299 / 2.1 T= .024 / .9 LAT= 60.0 U= .023 / 10.3 V= .017 / 2.5 W= .000471 / 2.5 T= .024 / .9 LAT= 60.0 U= .023 / 10.3 V= .017 / 2.5 W= .000471 / 3.3 T= .018 / 1.6 LAT= 72.0 U= .015 / 11.9 V= .014 / 3.0 W= .000049 / 4.0 T= .006 / 1.9	LAT= 36.0 U=	.176 / 2.5 V	 .198 / 5.6 	W= .000544 / 4.8	7= .095 / 2.7
LAT= 48.0 U= .157 / 1.7 V= .170 / 4.7 W= .000225 / 4.0 T= .041 / 2.6 LAT= 54.0 U= .149 / 1.4 V= .158 / 4.3 W= .000142 / 3.9 T= .024 / 2.5 LAT= 60.0 U= .137 / 1.1 V= .142 / 4.1 W= .000065 / 2.8 T= .009 / 2.4 LAT= 66.0 U= .113 / .9 V= .120 / 4.0 W= .000062 / 4.8 T= .010 / 2.6 LAT= 72.0 U= .093 / 1.0 V= .092 / 3.9 W= .000020 / 6.0 T= .003 / 3.3 LAT= 78.0 U= .065 / .8 V= .060 / 3.9 W= .000020 / 6.0 T= .003 / 3.3 LAT= 78.0 U= .065 / .8 V= .060 / 3.9 W= .000050 / .7 T= .004 / 9.5 Z= 36.378 KM LAT= 0.0 U= .017 / 4.1 V= 0.000 / 12.0 W= .004721 / 6.3 T= .615 / 3.2 LAT= 6.0 U= .016 / 4.2 V= .004 / 10.1 W= .004418 / 6.2 T= .594 / 3.1 LAT= 12.0 U= .016 / 4.3 V= .008 / 10.5 W= .003602 / 6.1 T= .535 / 3.1 LAT= 12.0 U= .005 / 5.7 V= .014 / 10.8 W= .002559 / 5.8 T= .450 / 2.9 LAT= 24.0 U= .009 / 8.6 V= .022 / 11.1 W= .001617 / 5.2 T= .357 / 2.7 LAT= 30.0 U= .017 / 9.1 V= .027 / 11.4 W= .001665 / 4.3 T= .269 / 2.5 LAT= 36.0 U= .023 / 9.3 V= .029 / 11.7 W= .001065 / 4.3 T= .269 / 2.5 LAT= 42.0 U= .024 / 9.5 V= .028 / .1 W= .000906 / 3.4 T= .193 / 2.2 LAT= 42.0 U= .024 / 9.5 V= .028 / .1 W= .000906 / 3.4 T= .193 / 2.2 LAT= 48.0 U= .024 / 9.5 V= .028 / .1 W= .000906 / 2.8 T= .132 / 2.0 LAT= 48.0 U= .024 / 9.5 V= .028 / .1 W= .000906 / 2.5 T= .085 / 1.7 LAT= 54.0 U= .021 / 10.3 V= .021 / 1.2 W= .000471 / 2.5 T= .052 / 1.5 LAT= 60.0 U= .023 / 10.3 V= .021 / 1.2 W= .000471 / 2.5 T= .005 / 1.5 LAT= 60.0 U= .023 / 10.3 V= .021 / 1.8 W= .000049 / 2.1 T= .024 / .9 LAT= 60.0 U= .023 / 10.3 V= .017 / 2.5 W= .000471 / 3.3 T= .018 / 1.6 LAT= 72.0 U= .015 / 11.9 V= .014 / 3.0 W= .000049 / 4.0 T= .006 / 1.9	LAT = 42.0 U=	.166 / 2.1 V	= .182 / 5.1	w= .000354 / 4.3	T= .065 / 2.6
LAT= 54.0 U=					
LAT= 60.0 U= .137 / 1.1 V= .142 / 4.1 W= .000065 / 2.8 T= .009 / 2.4 LAT= 66.0 U= .113 / .9 V= .120 / 4.0 W= .000062 / 4.8 T= .010 / 2.6 LAT= 72.0 U= .093 / 1.0 V= .092 / 3.9 W= .000020 / 6.0 T= .003 / 3.3 LAT= 78.0 U= .065 / .8 V= .060 / 3.9 W= .000050 / .7 T= .004 / 9.5 LAT= 0.0 U= .017 / 4.1 V= 0.000 / 12.0 W= .004721 / 6.3 T= .615 / 3.2 LAT= 6.0 U= .016 / 4.2 V= .004 / 10.1 W= .004418 / 6.2 T= .594 / 3.1 LAT= 12.0 U= .016 / 4.3 V= .008 / 10.5 W= .003602 / 6.1 T= .535 / 3.1 LAT= 18.0 U= .005 / 5.7 V= .014 / 10.8 W= .002559 / 5.8 T= .450 / 2.9 LAT= 24.0 U= .009 / 8.6 V= .022 / 11.1 W= .001617 / 5.2 T= .357 / 2.7 LAT= 30.0 U= .017 / 9.1 V= .027 / 11.4 W= .001667 / 5.2 T= .357 / 2.5 LAT= 36.0 U= .023 / 9.3 V= .029 / 11.7 W= .001065 / 4.3 T= .269 / 2.5 LAT= 42.0 U= .024 / 9.5 V= .028 / .1 W= .001065 / 3.4 T= .193 / 2.2 LAT= 42.0 U= .024 / 9.5 V= .028 / .1 W= .000906 / 3.4 T= .193 / 2.2 LAT= 42.0 U= .024 / 9.5 V= .028 / .1 W= .000906 / 2.8 T= .132 / 2.0 LAT= 44.0 U= .024 / 9.5 V= .028 / .1 W= .000826 / 2.8 T= .132 / 2.0 LAT= 44.0 U= .024 / 9.5 V= .028 / .1 W= .000826 / 2.8 T= .132 / 2.0 LAT= 54.0 U= .024 / 9.5 V= .024 / .6 W= .000674 / 2.5 T= .055 / 1.7 LAT= 54.0 U= .021 / 10.3 V= .021 / 1.2 W= .000471 / 2.5 T= .052 / 1.5 LAT= 60.0 U= .018 / 11.4 V= .019 / 1.8 W= .000299 / 2.1 T= .024 / .9 LAT= 66.0 U= .023 / 10.3 V= .017 / 2.5 W= .000471 / 3.3 T= .018 / 1.6 LAT= 72.0 U= .015 / 11.9 V= .017 / 2.5 W= .000049 / 4.0 T= .006 / 1.9	LAT= 54.0 U=	.149 / 1.4 V	= .158 / 4.3	W= .000142 / 3.9	T= .024 / 2.5
LAT= 66.0 U= .113 / .9 V= .120 / 4.0 W= .000062 / 4.8 T= .010 / 2.6 LAT= 72.0 U= .093 / 1.0 V= .092 / 3.9 W= .000020 / 6.0 T= .003 / 3.3 LAT= 78.0 U= .065 / .8 V= .060 / 3.9 W= .000050 / .7 T= .004 / 9.5 Z= 36.378 KM LAT= 0.0 U= .017 / 4.1 V= 0.000 / 12.0 W= .004721 / 6.3 T= .615 / 3.2 LAT= 6.0 U= .016 / 4.2 V= .004 / 10.1 W= .004418 / 6.2 T= .594 / 3.1 LAT= 12.0 U= .016 / 4.3 V= .008 / 10.5 W= .003602 / 6.1 T= .535 / 3.1 LAT= 12.0 U= .005 / 5.7 V= .014 / 10.8 W= .002559 / 5.8 T= .450 / 2.9 LAT= 24.0 U= .009 / 8.6 V= .022 / 11.1 W= .001617 / 5.2 T= .357 / 2.7 LAT= 30.0 U= .017 / 9.1 V= .027 / 11.4 W= .001665 / 4.3 T= .269 / 2.5 LAT= 36.0 U= .023 / 9.3 V= .029 / 11.7 W= .000966 / 3.4 T= .193 / 2.2 LAT= 42.0 U= .024 / 9.5 V= .022 / 11.7 W= .000966 / 3.4 T= .193 / 2.2 LAT= 48.0 U= .024 / 9.5 V= .024 / .6 W= .000826 / 2.8 T= .132 / 2.0 LAT= 48.0 U= .024 / 9.9 V= .024 / .6 W= .000826 / 2.8 T= .052 / 1.5 LAT= 54.0 U= .021 / 10.3 V= .021 / 1.2 W= .000471 / 2.5 T= .085 / 1.7 LAT= 56.0 U= .023 / 10.3 V= .021 / 1.8 W= .000299 / 2.1 T= .024 / .9 LAT= 66.0 U= .023 / 10.3 V= .017 / 2.5 W= .000471 / 2.5 T= .024 / .9 LAT= 66.0 U= .023 / 10.3 V= .017 / 2.5 W= .000049 / 4.0 T= .006 / 1.9		.137 / 1.1 V	= .142 / 4.1	w= .000065 / 2.8	T= .009 / 2.4
LAT= 72.0 U= .093 / 1.0 V= .092 / 3.9 W= .000020 / 6.0 T= .003 / 3.3 LAT= 78.0 U= .065 / .8 V= .060 / 3.9 W= .000050 / .7 T= .004 / 9.5 Z= 36.378 KM LAT= 0.0 U= .017 / 4.1 V= 0.000 / 12.0 W= .004721 / 6.3 T= .615 / 3.2 LAT= 6.0 U= .016 / 4.2 V= .004 / 10.1 W= .004418 / 6.2 T= .594 / 3.1 LAT= 12.0 U= .016 / 4.3 V= .008 / 10.5 W= .003602 / 6.1 T= .535 / 3.1 LAT= 18.0 U= .005 / 5.7 V= .014 / 10.8 W= .002559 / 5.8 T= .450 / 2.9 LAT= 24.0 U= .009 / 8.6 V= .022 / 11.1 W= .001617 / 5.2 T= .357 / 2.7 LAT= 30.0 U= .017 / 9.1 V= .027 / 11.4 W= .001667 / 5.2 T= .357 / 2.7 LAT= 36.0 U= .023 / 9.3 V= .029 / 11.7 W= .001065 / 4.3 T= .269 / 2.5 LAT= 42.0 U= .024 / 9.5 V= .028 / .1 W= .000906 / 3.4 T= .193 / 2.2 LAT= 48.0 U= .024 / 9.5 V= .028 / .1 W= .000906 / 3.4 T= .193 / 2.2 LAT= 48.0 U= .024 / 9.5 V= .028 / .1 W= .000906 / 2.8 T= .132 / 2.0 LAT= 48.0 U= .024 / 9.5 V= .028 / .1 W= .000906 / 2.5 T= .085 / 1.7 LAT= 54.0 U= .021 / 10.3 V= .021 / 1.2 W= .000471 / 2.5 T= .085 / 1.7 LAT= 60.0 U= .018 / 11.4 V= .019 / 1.8 W= .000299 / 2.1 T= .024 / .9 LAT= 66.0 U= .023 / 10.3 V= .017 / 2.5 W= .000471 / 3.3 T= .018 / 1.6 LAT= 72.0 U= .015 / 11.9 V= .014 / 3.0 W= .000049 / 4.0 T= .006 / 1.9					
LAT= 78.0 U= .065 / .8 V= .060 / 3.9 W= .000050 / .7 T= .004 / 9.5 Z= 36.378 KM LAT= 0.0 U= .017 / 4.1 V= 0.000 / 12.0 W= .004721 / 6.3 T= .615 / 3.2 LAT= 6.0 U= .016 / 4.2 V= .004 / 10.1 W= .004418 / 6.2 T= .594 / 3.1 LAT= 12.0 U= .016 / 4.3 V= .008 / 10.5 W= .003602 / 6.1 T= .535 / 3.1 LAT= 18.0 U= .005 / 5.7 V= .014 / 10.8 W= .002559 / 5.8 T= .450 / 2.9 LAT= 24.0 U= .009 / 8.6 V= .022 / 11.1 W= .001617 / 5.2 T= .357 / 2.7 LAT= 30.0 U= .017 / 9.1 V= .027 / 11.4 W= .001065 / 4.3 T= .269 / 2.5 LAT= 36.0 U= .023 / 9.3 V= .029 / 11.7 W= .000906 / 3.4 T= .193 / 2.2 LAT= 42.0 U= .024 / 9.5 V= .028 / .1 W= .000826 / 2.8 T= .132 / 2.0 LAT= 48.0 U= .024 / 9.9 V= .024 / .6 W= .000674 / 2.5 T= .085 / 1.7 LAT= 54.0 U= .021 / 10.3 V= .021 / 1.2 W= .000471 / 2.5 T= .052 / 1.5 LAT= 60.0 U= .018 / 11.4 V= .019 / 1.8 W= .000299 / 2.1 T= .024 / .9 LAT= 66.0 U= .023 / 10.3 V= .017 / 2.5 W= .00049 / 4.0 T= .006 / 1.9 LAT= 72.0 U= .015 / 11.9 V= .014 / 3.0 W= .000049 / 4.0 T= .006 / 1.9					
Z= 36.378 KM LAT= 0.0 U= .017 / 4.1 V= 0.000 / 12.0 W= .004721 / 6.3 T= .615 / 3.2 LAT= 6.0 U= .016 / 4.2 V= .004 / 10.1 W= .004418 / 6.2 T= .594 / 3.1 LAT= 12.0 U= .010 / 4.3 V= .008 / 10.5 W= .003602 / 6.1 T= .535 / 3.1 LAT= 18.0 U= .005 / 5.7 V= .014 / 10.8 W= .002559 / 5.8 T= .450 / 2.9 LAT= 24.0 U= .009 / 8.6 V= .022 / 11.1 W= .001617 / 5.2 T= .357 / 2.7 LAT= 30.0 U= .017 / 9.1 V= .027 / 11.4 W= .001665 / 4.3 T= .269 / 2.5 LAT= 36.0 U= .023 / 9.3 V= .029 / 11.7 W= .000906 / 3.4 T= .193 / 2.2 LAT= 42.0 U= .024 / 9.5 V= .028 / 11.7 W= .000906 / 3.4 T= .193 / 2.2 LAT= 48.0 U= .024 / 9.9 V= .024 / .6 W= .000826 / 2.8 T= .132 / 2.0 LAT= 48.0 U= .024 / 9.9 V= .024 / .6 W= .000674 / 2.5 T= .085 / 1.7 LAT= 54.0 U= .021 / 10.3 V= .021 / 1.2 W= .000471 / 2.5 T= .052 / 1.5 LAT= 60.0 U= .018 / 11.4 V= .019 / 1.8 W= .000299 / 2.1 T= .024 / .9 LAT= 66.0 U= .023 / 10.3 V= .017 / 2.5 W= .000471 / 3.3 T= .018 / 1.6 LAT= 72.0 U= .015 / 11.9 V= .014 / 3.0 W= .000049 / 4.0 T= .006 / 1.9					
LAT= 0.0 U= .017 / 4.1 V= 0.000 / 12.0 W= .00.4721 / 6.3 T= .615 / 3.2 LAT= 6.0 U= .016 / 4.2 V= .004 / 10.1 W= .004418 / 6.2 T= .594 / 3.1 LAT= 12.0 U= .016 / 4.3 V= .008 / 10.5 W= .003602 / 6.1 T= .535 / 3.1 LAT= 18.0 U= .005 / 5.7 V= .014 / 10.8 W= .002559 / 5.8 T= .450 / 2.9 LAT= 24.0 U= .009 / 8.6 V= .022 / 11.1 W= .001617 / 5.2 T= .357 / 2.7 LAT= 30.0 U= .017 / 9.1 V= .027 / 11.4 W= .001667 / 5.2 T= .357 / 2.7 LAT= 36.0 U= .023 / 9.3 V= .029 / 11.7 W= .000906 / 3.4 T= .193 / 2.2 LAT= 42.0 U= .024 / 9.5 V= .028 / 1 W= .000826 / 2.8 T= .132 / 2.0 LAT= 48.0 U= .024 / 9.5 V= .028 / 1 W= .000826 / 2.8 T= .132 / 2.0 LAT= 48.0 U= .024 / 9.5 V= .024 / .6 W= .000674 / 2.5 T= .085 / 1.7 LAT= 54.0 U= .021 / 10.3 V= .021 / 1.2 W= .000471 / 2.5 T= .052 / 1.5 LAT= 60.0 U= .018 / 11.4 V= .019 / 1.8 W= .000299 / 2.1 T= .024 / .9 LAT= 66.0 U= .023 / 10.3 V= .017 / 2.5 W= .000471 / 3.3 T= .018 / 1.6 LAT= 72.0 U= .015 / 11.9 V= .014 / 3.0 W= .000049 / 4.0 T= .006 / 1.9	LA11 78.0 0-	.003 / .0 1	000 / 3.3	1 .00003 0 / .7	1004 / 3.5
LAT= 6.0 U= .016 / 4.2 V= .004 / 10.1 W= .004418 / 6.2 T= .594 / 3.1 LAT= 12.0 U= .010 / 4.3 V= .008 / 10.5 W= .003602 / 6.1 T= .535 / 3.1 LAT= 18.0 U= .005 / 5.7 V= .014 / 10.8 W= .002559 / 5.8 T= .450 / 2.9 LAT= 24.0 U= .009 / 8.6 V= .022 / 11.1 W= .001617 / 5.2 T= .357 / 2.7 LAT= 30.0 U= .017 / 9.1 V= .027 / 11.4 W= .001065 / 4.3 T= .269 / 2.5 LAT= 36.0 U= .023 / 9.3 V= .029 / 11.7 W= .000906 / 3.4 T= .193 / 2.2 LAT= 48.0 U= .024 / 9.5 V= .028 / 1 W= .000826 / 2.8 T= .132 / 2.0 LAT= 48.0 U= .024 / 9.9 V= .024 / .6 W= .000674 / 2.5 T= .085 / 1.7 LAT= 54.0 U= .021 / 10.3 V= .021 / 1.2 W= .000471 / 2.5 T= .052 / 1.5 LAT= 60.0 U= .018 / 11.4 V= .019 / 1.8 W= .000299 / 2.1 T= .024 / .9 LAT= 66.0 U= .023 / 10.3 V= .019 / 1.8 W= .000299 / 2.1 T= .024 / .9 LAT= 66.0 U= .023 / 10.3 V= .017 / 2.5 W= .000147 / 3.3 T= .018 / 1.6 LAT= 72.0 U= .015 / 11.9 V= .014 / 3.0 W= .000049 / 4.0 T= .006 / 1.9	Z= 36.378 KM				
LAT= 6.0 U= .016 / 4.2 V= .004 / 10.1 W= .004418 / 6.2 T= .594 / 3.1 LAT= 12.0 U= .610 / 4.3 V= .008 / 10.5 W= .003602 / 6.1 T= .535 / 3.1 LAT= 18.0 U= .005 / 5.7 V= .014 / 10.8 W= .002559 / 5.8 T= .450 / 2.9 LAT= 24.0 U= .009 / 8.6 V= .022 / 11.1 W= .001617 / 5.2 T= .357 / 2.7 LAT= 30.0 U= .017 / 9.1 V= .027 / 11.4 W= .001065 / 4.3 T= .269 / 2.5 LAT= 36.0 U= .023 / 9.3 V= .029 / 11.7 W= .000906 / 3.4 T= .193 / 2.2 LAT= 48.0 U= .024 / 9.5 V= .028 / 11.7 W= .000826 / 2.8 T= .132 / 2.0 LAT= 48.0 U= .024 / 9.9 V= .024 / .6 W= .000874 / 2.5 T= .085 / 1.7 LAT= 54.0 U= .021 / 10.3 V= .021 / 1.2 W= .000471 / 2.5 T= .052 / 1.5 LAT= 60.0 U= .018 / 11.4 V= .019 / 1.8 W= .000299 / 2.1 T= .024 / .9 LAT= 66.0 U= .023 / 10.3 V= .017 / 2.5 W= .000147 / 3.3 T= .018 / 1.6 LAT= 72.0 U= .015 / 11.9 V= .014 / 3.0 W= .000049 / 4.0 T= .006 / 1.9					
LAT= 12.0 U= .C10 / 4.3 V= .008 / 10.5 W= .003602 / 6.1 T= .535 / 3.1 LAT= 18.0 U= .005 / 5.7 V= .014 / 10.8 W= .002559 / 5.8 T= .450 / 2.9 LAT= 24.0 U= .009 / 8.6 V= .022 / 11.1 W= .001617 / 5.2 T= .357 / 2.7 LAT= 30.0 U= .017 / 9.1 V= .027 / 11.4 W= .00166 / 4.3 T= .269 / 2.5 LAT= 36.0 U= .023 / 9.3 V= .029 / 11.7 W= .000906 / 3.4 T= .193 / 2.2 LAT= 42.0 U= .024 / 9.5 V= .028 / 11.7 W= .000826 / 2.8 T= .132 / 2.0 LAT= 48.0 U= .024 / 9.9 V= .024 / .6 W= .000674 / 2.5 T= .085 / 1.7 LAT= 54.0 U= .021 / 10.3 V= .021 / 1.2 W= .000471 / 2.5 T= .052 / 1.5 LAT= 60.0 U= .018 / 11.4 V= .019 / 1.8 W= .000299 / 2.1 T= .024 / .9 LAT= 66.0 U= .023 / 10.3 V= .017 / 2.5 W= .000147 / 3.3 T= .018 / 1.6 LAT= 72.0 U= .015 / 11.9 V= .014 / 3.0 W= .000049 / 4.0 T= .006 / 1.9	_				
LAT= 18.0 U= .005 / 5.7 V= .014 / 10.8 W= .002559 / 5.8 T= .450 / 2.9 LAT= 24.0 U= .009 / 8.6 V= .022 / 11.1 W= .001617 / 5.2 T= .357 / 2.7 LAT= 30.0 U= .017 / 9.1 V= .027 / 11.4 W= .001665 / 4.3 T= .269 / 2.5 LAT= 36.0 U= .023 / 9.3 V= .029 / 11.7 W= .000906 / 3.4 T= .193 / 2.2 LAT= 42.0 U= .024 / 9.5 V= .028 / .1 W= .000826 / 2.8 T= .132 / 2.0 LAT= 48.0 U= .024 / 9.9 V= .024 / .6 W= .000674 / 2.5 T= .085 / 1.7 LAT= 54.0 U= .021 / 10.3 V= .021 / 1.2 W= .000471 / 2.5 T= .085 / 1.5 LAT= 60.0 U= .018 / 11.4 V= .019 / 1.8 W= .000299 / 2.1 T= .024 / .9 LAT= 66.0 U= .023 / 10.3 V= .017 / 2.5 W= .000147 / 3.3 T= .018 / 1.6 LAT= 72.0 U= .015 / 11.9 V= .014 / 3.0 W= .000049 / 4.0 T= .006 / 1.9	LAT= 6.0 U=			w= .004418 / 6.2	T= .594 / 3.1
LAT= 24.0 U= .009 / 8.6 V= .022 / 11.1 W= .001617 / 5.2 T= .357 / 2.7 LAT= 30.0 U= .017 / 9.1 V= .027 / 11.4 W= .001065 / 4.3 T= .269 / 2.5 LAT= 36.0 U= .023 / 9.3 V= .029 / 11.7 W= .000906 / 3.4 T= .193 / 2.2 LAT= 42.0 U= .024 / 9.5 V= .028 / .1 W= .000826 / 2.8 T= .193 / 2.2 LAT= 48.0 U= .024 / 9.9 V= .024 / .6 W= .000674 / 2.5 T= .085 / 1.7 LAT= 54.0 U= .021 / 10.3 V= .021 / 1.2 W= .000471 / 2.5 T= .052 / 1.5 LAT= 60.0 U= .018 / 11.4 V= .019 / 1.8 W= .000299 / 2.1 T= .024 / .9 LAT= 66.0 U= .023 / 10.3 V= .017 / 2.5 W= .000147 / 3.3 T= .018 / 1.6 LAT= 72.0 U= .015 / 11.9 V= .014 / 3.0 W= .000049 / 4.0 T= .006 / 1.9	LAT: 12.0 U=		= .008 / 10.5		
LAT= 30.0 U= .017 / 9.1 V= .027 / 11.4 W= .001065 / 4.3 T= .269 / 2.5 LAT= 36.0 U= .023 / 9.3 V= .029 / 11.7 W= .000906 / 3.4 T= .193 / 2.2 LAT= 42.0 U= .024 / 9.5 V= .028 / .1 W= .000826 / 2.8 T= .132 / 2.0 LAT= 48.0 U= .024 / 9.9 V= .024 / .6 W= .000674 / 2.5 T= .085 / 1.7 LAT= 54.0 U= .021 / 10.3 V= .021 / 1.2 W= .000471 / 2.5 T= .052 / 1.5 LAT= 60.0 U= .018 / 11.4 V= .019 / 1.8 W= .000299 / 2.1 T= .024 / .9 LAT= 66.0 U= .023 / 10.3 V= .017 / 2.5 W= .000147 / 3.3 T= .018 / 1.6 LAT= 72.0 U= .015 / 11.9 V= .014 / 3.5 W= .000049 / 4.0 T= .006 / 1.9	LAT= 18.0 U=	.005 / 5.7 V	.014 / 10.8	w= .002559 / 5.8	T= .450 / 2.9
LAT= 30.0 U= .017 / 9.1 V= .027 / 11.4 W= .001065 / 4.3 T= .269 / 2.5 LAT= 36.0 U= .023 / 9.3 V= .029 / 11.7 W= .000906 / 3.4 T= .193 / 2.2 LAT= 42.0 U= .024 / 9.5 V= .028 / .1 W= .000826 / 2.8 T= .132 / 2.0 LAT= 48.0 U= .024 / 9.9 V= .024 / .6 W= .000674 / 2.5 T= .085 / 1.7 LAT= 54.0 U= .021 / 10.3 V= .021 / 1.2 W= .000471 / 2.5 T= .052 / 1.5 LAT= 60.0 U= .018 / 11.4 V= .019 / 1.8 W= .000299 / 2.1 T= .024 / .9 LAT= 66.0 U= .023 / 10.3 V= .017 / 2.5 W= .000147 / 3.3 T= .018 / 1.6 LAT= 72.0 U= .015 / 11.9 V= .014 / 3.0 W= .000049 / 4.0 T= .006 / 1.9	LAT = 24.0 U=	.009 / 8.6 V	= .022 / 11.1	w= .001617 / 5.2	t= .357 / 2.7
LAT= 36.0 U= .023 / 9.3 V= .029 / 11.7 W= .000906 / 3.4 T= .193 / 2.2 LAT= 42.0 U= .024 / 9.5 V= .028 / .1 W= .000826 / 2.8 T= .132 / 2.0 LAT= 48.0 U= .024 / 9.9 V= .024 / .6 W= .000674 / 2.5 T= .085 / 1.7 LAT= 54.0 U= .021 / 10.3 V= .021 / 1.2 W= .000471 / 2.5 T= .052 / 1.5 LAT= 60.0 U= .018 / 11.4 V= .019 / 1.8 W= .000299 / 2.1 T= .024 / .9 LAT= 66.0 U= .023 / 10.3 V= .017 / 2.5 W= .000147 / 3.3 T= .018 / 1.6 LAT= 72.0 U= .015 / 11.9 V= .014 / 3.0 W= .000049 / 4.0 T= .006 / 1.9			= ,027 / 11.4	w= .001065 / 4.3	
LAT= 42.0 U= .024 / 9.5 V= .028 / .1 W= .000826 / 2.8 T= .132 / 2.0 LAT= 48.0 U= .024 / 9.9 V= .024 / .6 W= .000674 / 2.5 T= .085 / 1.7 LAT= 54.0 U= .021 / 10.3 V= .021 / 1.2 W= .000471 / 2.5 T= .052 / 1.5 LAT= 60.0 U= .018 / 11.4 V= .019 / 1.8 W= .000299 / 2.1 T= .024 / .9 LAT= 66.0 U= .023 / 10.3 V= .017 / 2.5 W= .000147 / 3.3 T= .018 / 1.6 LAT= 72.0 U= .015 / 11.9 V= .014 / 3.0 W= .000049 / 4.0 T= .006 / 1.9		.023 / 9.3 V			
LAT= 48.0 U= .024 / 9.9 V= .024 / .6 W= .000674 / 2.5 T= .085 / 1.7 LAT= 54.0 U= .021 / 10.3 V= .021 / 1.2 W= .000471 / 2.5 T= .052 / 1.5 LAT= 60.0 U= .018 / 11.4 V= .019 / 1.8 W= .000299 / 2.1 T= .024 / .9 LAT= 66.0 U= .023 / 10.3 V= .017 / 2.5 W= .000147 / 3.3 T= .018 / 1.6 LAT= 72.0 U= .015 / 11.9 V= .014 / 3.0 W= .000049 / 4.0 T= .006 / 1.9					
LAT= 54.0 U= .021 / 10.3 V= .021 / 1.2 W= .000471 / 2.5 T= .052 / 1.5 LAT= 60.0 U= .018 / 11.4 V= .019 / 1.8 W= .000299 / 2.1 T= .024 / .9 LAT= 66.0 U= .023 / 10.3 V= .017 / 2.5 W= .000147 / 3.3 T= .018 / 1.6 LAT= 72.0 U= .015 / 11.9 V= .014 / 3.0 W= .000049 / 4.0 T= .006 / 1.9		•			
LAT= 60.0 U= .018 / 11.4 V= .019 / 1.8 W= .000299 / 2.1 T= .024 / .9 LAT= 66.0 U= .023 / 10.3 V= .017 / 2.5 W= .000147 / 3.3 T= .018 / 1.6 LAT= 72.0 U= .015 / 11.9 V= .014 / 3.0 W= .000049 / 4.0 T= .006 / 1.9					
LAT= 66.0 U= .023 / 10.3 V= .017 / 2.5 W= .000147 / 3.3 T= .018 / 1.6 LAT= 72.0 U= .015 / 11.9 V= .014 / 3.0 W= .000049 / 4.0 T= .006 / 1.9					
LAT= 72.0 U= .015 / 11.9 V= .014 / 3.0 W= .000049 / 4.0 T= .006 / 1.9					1
1 201 1010 0 1220 / 110 12 1011 / 210 #2 100011 / 113 12 1010 / 1011 /					
	1 22/2 /010 0-	, ,	011 / 2.0	#= 1000117 / 113	.= .0.0 / .0.1

Table B3. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\rm O}N$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 41.789 KM							
LAT= 0.0 U=	.362 / 9.2	V =	0.000 / 12.0	W =	.006451 / 6.3	T=	1.147 / 3.1
LAT= 6.0 U=	.373 / 9.2	V =	.179 / .7	W=	.005917 / 6.2	T=	1.111 / 3.1
LAT= 12.0 U=	.401 / 9.2	V =	.334 / .7	w=	.004499 / 6.1	T =	1.010 / 3.1
LAT= 18.0 U=	.434 / 9.2	V≖	.450 / .5	W∹	.002732 / 5.8	T =	.861 / 2.9
LAT= 24.0 U=	.462 / 9.1	V =	.519 / .3	W=	.001299 / 4.8	Ţ=	.695 / 2.8
LAT= 30.0 U=	.473 / 9.0	V =	.543 / .1	W=	.001074 / 2.9	T≊ T-	.531 / 2.6
LAT= 36.0 U=	.465 / B.8 .438 / 8.6	V = V =	.531 / 11.9 .493 / 11.6	W = W =	.001370 / 2.1	T≖ T≠	.386 / 2.4 .265 / 2.2
LAT= 48.0 U=	.399 / 8.4	V =	.438 / 11.4	W=	.001094 / 1.9	T=	.171 / 2.1
LAT= 54.0 U=	.349 / 8.1	V =	.375 / 11.1	W=	.000733 / 2.1	Ť=	103 / 1.9
LAT= 60.0 U=	.283 / 7.9	V=	.309 / 11.0	W =	.000452 / 2.1	T=	.048 / 1.6
LAT= 66.0 U=	.251 / 7.9	V =	.240 / 10.8	W=	.000225 / 3.4	T =	.034 / 2.0
LAT= 72.0 U=	167 / 7.7	V =	.172 / 10.7	W=	.000100 / 4.0	T≖	.011 / 2.0
LAT= 78.0 U=	.104 / 7.2	V =	.117 / 10.7	W =	.000102 / 2.2	Ť=	.009 / 10.8
Z= 47.224 KM							
IAT= 0.0 U=	0+0 / 0 0	N -	0 000 / 40 0		007244 / 0 4	-	1 464 / 2 2
LAT = 0.0 U=	.910 / 9.0 .937 / 9.0	V = V =	0.000 / 12.0 .414 / .7	W =	.007344 / 6.1 .006478 / 6.1	T≡ T≖	1.464 / 3.0 1.420 / 3.0
LAT= 12.0 U=	1.002 / 9.0	V = V =	.763 / .6	W =	.004195 / 6.1	T=	1.420 / 3.0
LAT= 18.0 U=	1.072 / 9.0	V =	1.008 / .4	W=	.001384 / 5.8	†=	1.110 / 2.9
LAT = 24.0 U=	1.129 / 8.9	V =	1.149 / .2	W=	.001156 / .7	7 =	.898 / 2.8
LAT= 30.0 U=	1.155 / 8.8	V =	1.213 / 12.0	W =	.002662 / .4	T =	.687 / 2.7
LAT= 36.0 U=	1.158 / 8.6	V =	1.234 / 11.7	W =	.003094 / .4	T =	.496 / 2.6
LAT= 42.0 U=	1.142 / 8.4	V =	1.231 / 11.4	W =	.002704 / .5	<u> </u>	.338 / 2.5
LAT = 48.0 U=	1.111 / 8.2	V =	1.197 / 11.2	W =	.001936 / .6	T≠	.214 / 2.4
LAT= 54.0 U=	1.052 / 8.1 .935 / 8.0	∨ = ∨ =	1.121 / 11.1	W =	.001112 / .8	T≈ T=	.128 / 2.3
LAT= 66.0 U=	.839 / 8.0	V= V=	.834 / 10.9	W≃	.000603 / .9 .000169 / 2.5	T=	.056 / 2.1 .041 / 2.4
LAT = 72.0 U=	.635 / 7.9	V =	.637 / 10.9	W=	.000091 / 3.1	Ť=	.012 / 2.3
LAT= 78.0 U=	.413 / 7.7	V =	.439 / 10.9	W=	.000079 / 4.9	T=	.004 / 11.8
			,		,		
Z= 52.691 KM							
LAT= 0.0 U=	1.442 / 9.1	V=	0.000 / 12.0	W =	.007866 / 5.8	T =	1.355 / 3.0
LAT= 6.0 U=	1.484 / 9.1	V =	.730 / .4	W=	.006634 / 5.8	T=	1.292 / 3.0
LAT= 12.0 U=	1.580 / 9.1	V =	1.319 / .4	w=	.003389 / 5.8	Τ×	1.118 / 3.0
LAT= 18.0 U=	1.665 / 9.1	V =	1.684 / .3	W=	.000617 / 11.7	T =	.874 / 3.0
LAT= 24.0 U=	1.697 / 9.0	V =	1.820 / .2	W =	.004100 / 11.8	T=	.616 / 2.9
LAT = 30.0 U=	1.655 / 8.9	V =	1.788 / .1	W =	.006142 / 11.8	Ť =	.388 / 2.9
LAT: 36.0 U=	1.562 / 8.7	V =	1.678 / 11.8	w=	.006531 / 11.8	T=	.216 / 2.8
LAT= 42.0 U=	1.454 / 8.6	V =	1.559 / 11.6	W =	.00563' / 11.8	T =	.104 / 2.8
LAT= 48.0 U=	1.354 / 8.4	V =	1.451 / 11.4	₩=	.004131 / 11.8	T =	.041 / 2.6
LAT= 60.0 U=	1.118 / 8.1	V =	1.339 / 11.2	W= W=	.002532 / 11.8	T=	.015 / 2.3 .011 / 9.1
LAT= 66.0 U=	1.025 / 8.1	V =	1.019 / 11.1	W =	.000498 / 11.7	T=	.010 / 2.8
LAT= 72.0 U=	.789 / 8.1	V =	.793 / 11.1	W=	.000259 / .3	T=	.005 / 9.8
LAT= 78.0 U=	.519 / 8.0	V =	.561 / 11.1	W≈	.000118 / 8.2	T=	.005 / 7.6
,							

Table B3. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\rm O}N$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to $400~\rm km$ at the Equinoxes (Contd)

					<u> </u>		
Z= 58.200 KM							
LAT= 0.0 U=	1.871 / 9.0	V=	0.000 / 12.0	W =	.008564 / 5.3	T=	1.328 / 2.8
LAT= 6.0 U=	1.920 / 9.0	V =	1.049 / .2	W=	.007014 / 5.3	T=	1.243 / 2.8
LAT= 12.0 U=	2.022 / 9.0	V=	1.873 / .2	W=	.002907 / 5.2	7=	1.013 / 2.9
LAT= 18.0 U=	2.089 / 9.0	۷~ V=	2.332 / .1	W=	.002285 / 11.6	T=	.698 / 2.9
			2.413 / .1	W=	006007 / 11.6	T=	.379 / 3.1
LAT= 24.0 U=	2.057 / 8.9	V =			.006927 / 11.5		
LAT = 30.0 U=	1.895 / 8.9	V =	2.208 / 12.0	W=	.009812 / 11.5	Ţ=	
LAT = 36.0 U=	1.640 / 8.7	V=	1.858 / 11.8	₩≖	.010529 / 11.4	T=	.095 / 7.2
LAT= 42.0 U=	1.357 / 8.6	V *	1.495 / 11.6	W =	.009416 / 11.4	T=	.155 / 8.0
LAT # 48.0 U=	1.104 / 8.4	∨ ≠	1.193 / 11.4	W =	.007272 / 11.4	<u>T</u> =	.159 / 8.2
LAT= 54.0 U=	.912 / 8.2	V =	.966 / 11.2	W =	.004830 / 11.4	T =	.121 / 8.3
LAT= 69.0 U=	.723 / 8.0	V =	.797 / 11.1	W=	.002913 / 11.4	T=	.093 / 8.4
LAT= 66.0 U=	.661 / 8.0	V≃	.639 / 11.0	W=	.001367 / 11.3	T =	.032 / 8.1
LAT= 72.0 U=	.456 / 7.9	V =	.481 / 11.0	W =	.000789 / 11.8	T=	.032 / 8.9
LAT= 78.0 U=	.323 / 7.9	V =	.345 / 11.0	W=	.000327 / 9.3	T=	.014 / 6.5
					·		·
Z= 63.765 KM							
LAT= 0.0 U=	2.274 / 9.0	V =	0.000 / 12.0	W=	.009984 / 4.9	T=	1.476 / 2.7
	2.320 / 9.0	V = V =	1.323 / .1	W=	.008027 / 4.8	T=	1.362 / 2.7
		-				7=	
LAT= 12.0 U=	2.410 / 9.0	V=	2.380 / 12.0	W=	.002877 / 4.5		1.055 / 2.8
LAT= 18.0 U=	2.449 / 9.0	V =	2.984 / 12.0	W=	.003874 / 11.4	T=	.645 / 3.0
LAT= 24.0 U=	2.354 / 8.9	V =	3.072 / 12.0	M =	.009761 / 11.2	T=	.264 / 3.8
LAT= 30.0 U=	2.067 / 8 9	V =	2.708 / 11.9	M =	.013421 / 11.2	T =	.203 / 6.8
LAT= 36.0 U=	1.605 / 8.8	V =	2.048 / 11.9	W =	.014271 / 11.2	T =	.347 / 7.7
LAT= 42.0 U=	1.042 / 8.7	V ≈	1.283 / 11.8	W=	.012720 / 11.1	T=	.392 / 8.0
LAT= 48.0 U=	.489 / 8.5	V =	.584 / 11.6	W=	.009800 / 11.1	T=	.346 / 8.1
LAT= 54.0 U=	.086 / 6.6	V =	.087 / 9.9	W =	.006495 / 11.1	T =	.249 / 8.1
LAT= 60.0 U=	.316 / 3.2	V.	.273 / 6.2	₩≖	.003859 / 11.2	T=	.172 / 8.2
LAT = 66.0 U=	.348 / 3.0	٧×	.408 / 5.9	W=	.001822 / 11.1	T=	.069 / 8.1
LAT= 72.0 U=	.453 / 3.0	V=	.407 / 5.8	W=	.001098 / 11.8	T=	.057 / 8.9
LAT= 78.0 U=	.320 / 2.6	V=	.282 / 5.8	W=	.000497 / 8.8	T=	.025 / 5.2
[A12 78:0 0-	.320 / 2.0		.202 / 0.0	-	.000431 / 0.0	• =	.025 / 5.2
Z= 69.403 KM							
LAT= 0.0 U=	2.816 / 8.9	V =	0.000 / 12.0	W≥	.012134 / 4.4	T=	1.799 / 2.5
						7=	1.632 / 2.5
LAT= 6.0 U=		V =	1.860 / 11.7	W=		T=	
LAT= 12.0 U=	2.946 / 8.9	V =	3.306 / 11.7	W=	.003119 / 3.6		1.187 / 2.7
LAT= 18.0 U=	2.927 / 8.9	V =	4.043 / 11.7	W =	.005968 / 11.3	T=	.635 / 3.2
LAT= 24.0 U=	2.685 / 8.9	V =	3.976 / 11.8	W =	.012776 / 10.9	T=	.323 / 5.2
LAT= 30.0 U=	2.150 / 9.0	V =	3.216 / 11.9	W =	.016377 / 10.8	Ţ=	.516 / 7.0
LAT= 36.0 U=	1.385 / 9.3	V =	2.048 / .1	W=	.016328 / 10.8	T=	.659 / 7.4
LAT# 42.0 U#	.665 / 10.6	V =	.903 / 1.0	W =	.013555 / 10.7	T =	.638 / 7.5
LAT= 48.0 U=	.806 / 1.0	V =	.790 / 3.8	W =	.009607 / 10.7	T =	.510 / 7.6
LAT = 54.0 U=	1.316 / 1.7	V =	1.373 / 4.6	W=	.005722 / 10.6	T=	.338 / 7.6
LAT= 60.0 U=	1.663 / 1.9	V.	1.663 / 4.8	W=	.002945 / 10.5	T =	.213 / 7.7
LAT= 66.0 U=	1.550 / 1.9	v=	1.642 / 4.9	W =	.001084 / 10.1	T=	.080 / 7.3
LAT= 72.0 U=	1.404 / 2.1	v=	1.384 / 4.9	W=	.000551 / .1	Ť=	.053 / 8.8
LAT= 78.0 U=	1.046 / 1.9	V=	.932 / 4.9	W=	.000757 / 7.5	Ť=	.041 / 5.4
,	, , ,,	• -	- 332 / 413	W	,	. –	,

Table B3. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\rm O}N$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 75.140	KM							
LAT= 0.0	U≠	3.764 / 8.6	V =	0.000 / 12.0	W=	.012091 / 3.6	T⇒	2.213 / 2.1
LAT= 6.0	U=	3.844 / 8.6	V=	3.273 / 11.2	W=	.009637 / 3.4	Τ×	1.979 / 2.2
LAT= 12.0	ŭ=	3.939 / 8.6	v=	5.571 / 11.3	W=	.004228 / 2.2	Ť=	1.376 / 2.5
LAT= 18.0	υ=	3.776 / 8.7	V =	6.313 / 11.3	W=	.006643 / 11.1	T =	.721 / 3.4
LAT= 24.0	U=	3.163 / 8.9	V =	5.496 / 11.5	W=	.012384 / 10.4	T=	.651 / 5.4
LAT= 30.0	Ū=	2.194 / 9.5	V=	3.670 / 11.9	W=	.015087 / 10.2	T=	.962 / 6.4
LAT= 36.0	U=	1.638 / 11.0	V =	1.957 / 1.1	W=	.014408 / 9.9	T=	1.085 / 6.6
LAT= 42.0	U=	2.306 / .4	V =	2.232 / 3.2	W=	.011476 / 9.7	T=	.984 / 6.7
LAT= 48.0	U≖	3.229 / .9	V =	3.332 / 3.9	₩=	.J07843 / 9.4	T =	.756 / 6.7
LAT= 54.0	U=	3.737 / 1.1	V =	3.922 / 4.1	W=	.004645 / 8.9	T=	.493 / 6.5
LAT= 60.0	Ų=	3.807 / 1.2	∨ =	3.882 / 4.2	W=	.002401 / 8.4	T =	.293 / 6.6
LAT= 66.0	U=	3.272 / 1.2	V =	3.401 / 4.2	W=	.001374 / 7.3	T=	.136 / 5.8
LAT= 72.0	U =	2.655 / 1.3	V =	2.653 / 4.2	W=	.000405 / 5.6	T =	.044 / 7.3
LAT= 78.0	U≠	1.871 / 1.1	V =	1.732 / 4.2	W=	.000877 / 6.9	T =	.064 / 4.9
Z= 81.010	KM							
LAT= 0.0	U=	5.142 / 8.4	V =	0.000 / 12.0	W=	.017816 / .9	T=	1.880 / 1.5
LAT= 6.0	Ŭ≖	5.284 / 8.4	v=	5.267 / 10.9	w=	.015337 / .9	T=	1.730 / 1.7
LAT= 12.0	U=	5.452 / 8.4	V=	8.828 / 11.0	W=	.008815 / .6	T=	1.402 / 2.2
LAT= 18.0	Ŭ=	5.172 / 8.5	V =	9.692 / 11.0	W =	.002570 / 9.8	T=	1.239 / 3.3
LAT= 24.0	Ū=	4.159 / 8.9	v =	7.934 / 11.2	w=	.009018 / 7.6	T=	1.413 / 4.2
LAT= 30.0	U=	2.907 / 9.9	V =	4.689 / 11,7	W=	.014541 / 7.3	T=	1.629 / 4.6
LAT= 36.0	U=	3 346 / 11.6	V =	2.979 / 1.8	W =	.016570 / 7.1	T=	1.655 / 4.8
LAT= 42.0	U=	5.290 / .3	V =	5.187 / 3.2	W=	.015343 / 6.9	T=	1.462 / 4.9
LAT= 48.0	U≖	7 017 / .6	V =	7.334 / 3. 6	W=	.011989 / 6.8	T=	1.129 / 5.0
LAT= 54.0	U=	7.854 / .6	V =	8.278 / 3.6	W =	.008188 / 6.6	T =	.770 / 5.1
LAT= 60.0	U≠	7.816 / .7	V =	8.054 / 3.6	₩≖	.004479 / 6.3	T =	.441 / 5.4
LAT= 66.0	U=	6.806 / .6	V =	7.003 / 3.6	W =	.002482 / 5.B	T=	.252 / 5.0
LAT= 72.0	Ų=	5.460 / .6	V =	5.453 / 3.6	W =	.001338 / 5.8	T=	.116 / 5.7
LAT= 78.0	U=	3.787 / .4	V =	3.622 / 3.5	W=	.000582 / 2.6	T≖	.032 / 6.4
Z= 87.06 2	KM							
	10.	5.737 / 8.4	V =	0.000 / 13.0	144	057245 / 14 5	T -	1 046 / 9 0
LAT= 0.0 LAT= 6.0	U =	5.737 / 8.4 5.906 / 8.4	V =	0.000 / 12.0 4.755 / 10.5	₩ =	.057345 / 11.6 .047436 / 11.6	T =	1.946 / 8.9 1.235 / 8.9
LAT= 6.0 LAT= 12.0	U=	6.218 / 8.4	V =	8.150 / 10.6	W= W=		T= T=	1.235 / 8.9 .599 / 3.2
LAT= 12.0 LAT= 18.0	U=	6.325 / 8.5	V = V =	9.387 / 10.7	W=	.021761 / 11.5	T=	2.774 / 3.0
LAT= 18.0	U=	6.041 / 8.8	V =	8.567 / 11.0	W =	.037049 / 5.6	T=	4.484 / 2.9
LAT= 30.0	U=	5.678 / 9.4	V =	6.830 / 11.7	W=	.052022 / 5.5	T=	5.223 / 2.9
LAT= 36.0	U=	6.013 / 10.2	V=	6.215 / .8	W=	.053927 / 5.3	†=	4.951 / 2.8
LAT= 42.0	U=	7.203 / 10.9	V=	7.481 / 1.8	W =	.046230 / 5.1	T =	3.985 / 2.7
LAT= 48.0	U=	8.503 / 11.3	٧=	9.026 / 2.2	W=	.034132 / 4.9	Τ=	2.759 / 2.6
LAT= 54.0	U=	9.209 / 11.4	٧×	9.734 / 2.4	W=	.022453 / 4.6	Ť=	1.687 / 2.3
LAT= 60.0	U=	8.994 / 11.6	V =	9.382 / 2.5	W=	.013050 / 4.2	T =	.795 / 1.9
	U=	8.049 / 11.5	V =	8.133 2.6	W=	.007074 / 3.7	T=	.407 / 1.7
LAT≠ 66.0								
LAT≠ 66.0 LAT≠ 72.0	U≖	6.241 / 11.7	V =	6.325 / 2.6	W=	.002891 / 4.2	τ=	.137 / 2.4

Table B3. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\circ}N$ in 6° Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 93.363 KM		
LAT= 0.0 U= 2.863 / 8.9		
LAT= 6.0 U= 2.634 / 8.9		
LAT= 12.0 U= 2.634 / 9.0		
LAT= 18.0 U= 4.303 / 9.0		
LAT = 24.0 U= 8.586 / 8.9		
LAT = 30.0 U= 14.972 / 8.9		
LAT = 36.0 U= 21.664 / 8.9		
LAT= 42.0 U= 26.542 / 8.9 LAT= 48.0 U= 28.216 / 8.9		
LAT= 48.0 U= 28.216 / 8.9 LAT= 54.0 U= 26.755 / 8.9		
LAT= 60.0 U= 22.313 / 8.8		
LAT= 66.0 U= 17.854 / 8.8	· · · · · · · ·	
LAT = 72.0 U= 12.314 / 8.7		
LAT = 78.0 U= 6.542 / 8.5		
22.5 ,0.0	V- 17032 7 1110 W	1000002, 010 12 1025, 1111
Z= 96.638 KM		
LAT= 0.0 U= 3.013 / 10.5	V= 0.000 / 12.0 W	= .093427 / 9.9 T= 7.276 / 6.5
LAT= 6.0 U= 2.921 / 10.6		
LAT= 12.0 U= 3.022 / 10.6		
LAT= 18.0 U= 4.349 / 9.9		
LAT = 24.0 U= 8.668 / 9.2		
LAT= 30.0 U= 15.933 / 8.9		
LAT = 36.0 U= 24.336 / 8.8		The state of the s
LAT= 42.0 U= 31.532 / 8.7		
LAT # 48.0 U= 35.652 / 8.6	V= 37.470 / 11.6 W:	= .099432 / 4.1 T= 6.564 / 1.3
LAT= 54.0 U= 36.174 / 8.5	V= 37.739 / 11.5 W:	= .077593 / 4.3 T= 4.420 / 1.3
LAT= 60.0 U= 32.792 / 8.4		
LAT= 66.0 U= 28.045 / 8.3		
LAT= 72.0 U= 21.147 / 8.3		
LAT= 78.0 U= 13.430 / 8.0	V= 13.810 / 11.2 W	= .009733 / 4.3 T= .418 / .1
Z= 100.017 KM		
LAT- 0.0 H- 4.534 / 9.5	V- 0.000 / 13.0 W	- 1000E2 / 9 7 T- 0 021 / 4 T
LAT = 0.0 U= 4.524 / 8.5		
LAT= 6.0 U= 4.402 / 8.5 LAT= 12.0 U= 4.723 / 8.5		
LAT= 18.0 U= 4.723 / 8.5		
LAT= 24.0 U= 12.107 / 8.4	V= 6.805 / 4.8 W	
LAT = 30.0 U= 20.772 / 8.4	V= 8.937 / 11.3 W	
LAT= 36.0 U= 32.214 / 8.3		
LAT= 42.0 U= 43.721 / 8.2	V= 43.830 / 11.2 W:	
LAT= 48.0 U= 52.816 / 8.3	V= 56.054 / 11.2 W	
LAT = 54.0 U= 57.908 / 8.2		
LAT= 60.0 U= 57.460 / 8.2	V= 60.334 / 11.2 W	
LAT= 66.0 U= 52.658 / 8.2	V= 53.451 / 11.2 W:	
LAT = 72.0 U= 42.449 / 8.2		= .028209 / 5.1 T# 1.224 / 2.4
LAT= 78.0 U= 28.669 / 8.2	V= 29.914 / 11.2 W:	= .013406 / 4.8 T= .357 / 1.1

Table B3. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\rm O}$ N in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 103.521 KM			
LAT= 0.0 U= 11:365 / 1	0.2 V= .001 / 11.6	W= .123250 / 7.7 T	= 17.707 / 4.3
LAT= 6.0 U= 11.700 / 1			± 15.064 / 4.2
LAT= 12.0 U= 12.428 / 1		w= .044519 / 8.9 T	
	9.7 V= 33.914 / 3.3		= 5.175 / 1.4
	8.9 V= 22.787 / 3.1		= 10.775 / 11.8
	8.0 V= 7.608 / .6		= 15.813 / 11.7
LAT= 36.0 U= 39.714 /	7.6 V= 29.498 / 10.4		= 17.319 / 11.7
LAT= 42.0 U= 56.996 /	7.4 V= 56.035 / 10.2	W= .169303 / 1.9 T	= 15.800 / 11.8
	7.3 V= 76.941 / 10.2	W= .134938 / 2.4 T	= 12.401 / 12.0
	7.3 V= 88.528 / 10.2		= 8.705 / .5
	7.3 V= 89.623 / 10.3		= 5.606 / 1.0
	7.4 V= 81.268 / 10.4		3.425 / 1.6
	7.5 V= 65.461 / 10.5		2.724 / 2.4
LAT= 78.0 U= 46.383 /	7.5 V= 45.465 / 10.5	w= .012829 / 3.9 T	* 1.172 / 1.6
Z= 107.177 KM			
LAT= 0.0 U= 20.861 / 1	0.1 V= 0.000 / 9.5	W= .114417 / 5.9 T	= 22.328 / 3.3
LAT= 6.0 U= 21.644 / 1	0.0 V= 29.425 / 2.2	w= .087166 / 5.9 T	= 18.988 / 3.2
	9.9 V= 49.383 / 2.3	W= .014633 / 6.2 T	
	9.7 V= 54.102 / 2.2	W= .07B871 / 11.9 T	
	8.9 V= 41.493 / 2.2	W= .162706 / 12.0 T	
	7.6 V= 14.927 / 2.0		= 20.212 / 10.0
	6.6 V= 20.199 / 9.1	W= .222494 / .3 T	
	6.3 V= 53.180 / 8.9	W= .194809 / .5 T	
	6.2 V= 79.772 / 9.0	W= .146950 / .9 T	
	6.2 V= 95.682 / 9.0 6.2 V= 99.593 / 9.2	W= .098873 / 1.4 T	
	6.2 V= 99.593 / 9.2 6.4 V= 92.398 / 9.4	W= .061711 / 2.1 T W= .037777 / 2.6 T	
	6.5 V= 75.962 / 9.4		= 4.159 / 1.1
	6.4 V= 53.185 / 9.5		± 1.129 / 11.8
EAT 75.0 0- 33.140 7	0.4 \$1 55.105 7 3.5	w00000g / 2.1 1	- 1.123 / 11.0
Z= 111.019 KM			
LAT= 0.0 U= 30.112 /	9.3 V= .002 / 3.3	W= .164262 / 3.8 T	= 28.795 / 1.5
	9.3 V= 31.339 / 1.0	W= .135620 / 3.6 T	
	9.2 V= 53.979 / 1.0	w= .068397 / 2.7 T	
	8.9 V= 61.536 / 1,1	W= .082556 / 11.8 T	
LAT = 24.0 U= 26.167 /	8.4 V= 52.492 / 1.2	W= .167832 / 11.1 T	= 14.964 / B.4
	7.4 V= 29.632 / 1.2		= 24.665 / 8.4
	6.1 V= 1.677 / 8.1		28.710 / 8.6
12.0	5.4 V= 33.205 / 7.6	W= .217770 / 11.3 T	
	5.1 V= 59.229 / 7.7	W= .166564 / 11.5 T	
	5.1 V = 76.427 / 7.9	W= .110806 / 11.8 T	
	5.1 V= 82.596 / 8.0	W= .065541 / .3 T	
2	5.3 V= 78.909 / 8.2	W= .038467 / .9 T	
	5.4 V= 66.559 / 8.4 5.3 V= 47.546 / 8.5		# 6.449 / 11.1 # 1.614 / 9.4
LAT= 78.0 U= 48.823 /	5.3 V= 47.546 / 8.5	w= .008989 / 11.3 T	- 1.014 / 3.4

Table B3. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes from 0 to 78° N in 6° Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 115.091	KM								
LAT= 0.0	U=	36.253 /	8.4	V =	.006 / 2.1	W=	.259210 / 2.4	T.	42.851 / 11.
LAT= 6.0	U=	36.532 /	8.3	V=	29.735 / 11.8	W=	.226542 / 2.3	T=	37.952 / 11.
LAT= 12.0	υ≖	35.997 /	8.2	V =	52.005 / 11.9	W=	.150115 / 1.8	T=	25.108 / 11.
LAT= 18.0	Ū=	34.082 /	8.0	V=	61.629 / 11.9	W=	.096997 / .1	Τ=	9.740 / 10.
LAT= 24.0	U=	30.139 /	7.7	٧×	56.451 / .1	W=	.153680 / 10.6	T=	13.357 / 7.
LAT= 30.0	U=	24.524 /	7.1	V=	39.322 / .2	W=	.221386 / 10.2	T=	25.087 / 7.
LAT= 36.0	U=	21.874 /	5.9	V =	15.403 / .4	W=	.250653 / 10.1	T=	31.341 / 7.
LAT= 42.0	U=	28.452 /	4.8	V=	11.993 / 6.1	W=	.237799 / 10.2	T=	31.805 / 7.
LAT= 48.0	U=	40.124 /	4.4	٧×	35,153 / 6.5	W=	.193129 / 10.3	T =	27.768 / 7.
LAT= 54.0	U=	49.857 /	4.2	V=	51.214 / 6.7	W=	.137490 / 10.6	Ť=	21.746 / 8.
LAT= 60.0	U≃	57.163 /	4.2	V =	59.476 / 7.1	W=	.088444 / 10.9	T=	15.939 / 8.
LAT= 66.0	U=	55.999 /	4.3	٧=	58.994 / 7.2	W=	.053038 / 11.4	T=	10.870 / 8.
LAT= 72.0	U=	51.156 /	4.5	V=	51.859 / 7.5	W=	.037981 / .2	T=	8.245 / 9.
LAT= 78.0	U≃	38.330 /		V=	38.183 / 7.7	₩≃	.013980 / 9.7	Ť=	2.173 / 7.
CAT- 70.0	U-	30.330 /	7.3	••	30.183 / 7.7	W-	.013900 / 9.7	'-	2.173 / 7.
Z= 119,451	KM								
LAT= 0.0	U=	39.181 /	7.6	٧z	.007 / 1.8	w=	.359669 / 1.6	T=	56.159 / 10.
LAT= 6.0	U=	38.900 /	7.5	V =	27.032 / 10.8	W-	.326094 / 1.5	T=	51.109 / 10.
LAT= 12.0	U≖	37.752 /	7.4	V =	48.172 / 10.8	w= W≃		T=	37.001 / 10.
LAT= 18.0	U=	35.669 /	7.1	V=	58.319 / 10.9	W=	.235492 / 1.2 .133861 / .3	T=	18.241 / 10.
LAT= 24.0	U=	32.180 /	6.8	٧×	56.762 / 11.0	W=	.128699 / 10.3	T=	7.700 / 7.
LAT= 30.0	U=	26.832 /	6.4	٧×	44.099 / 11.1	₩=	.201162 / 9.5	T=	19.639 / 6.
LAT= 36.0	U≠	21.605 /	5.6	V=	24.873 / 11.3	W=	.246699 / 9.3	T=	28.420 / 6.
LAT= 42.0	U=	21.880 /	4.5	V =	2.877 / 12.0	W=	.252078 / 9.3	Ť=	31.291 / 6.
LAT= 48.0	U=	28.514 /	3.7	V=	17.919 / 5.5	w=	.220659 / 9.5	T=	29.064 / 6.
LAT= 54.0	U≖	36.456 /	3.5	V=	33.358 / 5.8	w =	.170089 / 9.8	T#	23.838 / 6.
LAT= 60.0	U=	43.171 /	3.5	V٤	42.166 / 6.1	w=	.122177 / 10.0	T=	18.432 / 7.
LAT= 66.0	U=	43.476 /	3.6	V=	44.832 / 6.4	₩=	.078322 / 10.4	Ť=	12.606 / 7.
LAT= 72.0	U=	40.816 /	3.7		40.660 / 6.6	W-		T=	
	U=			V=			.055731 / 11.0		9.354 / 7.
LAT= 78.0	U=	30.254 /	3.4	V =	31.118 / 6.9	W=	.019006 / 8.7	T=	2.573 / 6.
Z= 124.175	КМ								
LAT= 0.0	U=	41.227 /	6.8	٧×	.007 / 1. 7	W =	.462037 / .9	Ť.	63.412 / 10.
LAT= 6.0	U=	41.132 /	6.7	V =	24.900 / 9.7	W=	.421915 / .9	T=	58.282 / 10.
LAT= 12.0	U=	39.950 /	6.6	V = V =	44.464 / 9.8	W≃ W∽	.317689 / .7	T =	44.069 / 10.
LAT= 18.0	U=	37.929 /	6.4	V =	55.141 / 9.9	W=	.184188 / .2	T =	24.859 / 10.
LAT= 24.0	U=	34.749 /	6.1	V =	55.362 / 10.0	W=	.107145 / 10.4	T=	5.284 / 9.
LAT= 30.0	U=	29.750 /	5.8	V =	46.750 / 10.1	W=	.170249 / 8.9	T =	12.287 / 5.
LAT= 30.0	U=	24.088 /	5.3	V = V =	31.556 / 10.2	W=	.235667 / 8.6	1=	22.943 / 4.
LAT= 30.0	U=	20.428 /	4.4	V = V ≈	12.913 / 10.2	W =	.261358 / 8.6	T=	27.958 / 5.
LAT= 42.0	U=	22.224 /	3.5	V =	6.041 / 5.6	w= W=	.245738 / 8.7	T=	27.706 / 5.
LAT= 54.0	U=	27.724 /	3.5	V = V =	20.932 / 5.3			T=	23.937 / 5.
LAT= 60.0	U=	33.817 /	2.9	V = V =	30.140 / 5.4	₩±	.204448 / 9.0	T=	19.544 / 5.
LAT= 60.0	U=	34.931 /	3.0	V=	34.238 / 5.7	₩= W=		T=	13.430 / 6.
	U= U=	33.633 /	3.0	V∓ V≖	32.837 / 5.9	₩≃	.111163 / 9.8	T=	9.824 / 6.
LAT# 72.0 LAT# 78.0	U=	24.376 /	2.7	V =	25.50¢ / 6.0	₩=	.022822 / 8.3	T=	2.922 / 5.

Table B3. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to 78° N in 6° Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

2= 129.367	TA THE											
LAT= 0.0	U=	44.557 /	6.0	٧×	.007 /	1.6	W=	.548718 /	. 4	T=	62.768 /	
.AT= 6.0	U≖	44.068 /	6.0	V×	23.588 /	8.8	W=	.506342 /	. 4	T=	58.108 /	
AT= 12.0	U=	43.261 /	5.8	٧×	42.516 /	8.9	Μ=	.395292 /	. 2	Ţ≖	45.361 /	
.AT= 18.0	υ=	41.471 /	5.7	V =	53.716 /	9.0	₩=	.241685 /		T =	27.662 /	
AT= 24.0	U=	38.582 /	5.4	V =	55.696 /	9.1	W=	.103696 /		T =	9.340 /	
AT= 30.0	U=	33.850 /	5.2	٧×	49.758 /	9.2	W=	.133426 /		Ţ=	8.643 /	
AT= 36.0	U =	27.827 /	4.9	V =	37.398 /	9.3	₩=	.218188 /	7.9	Ţe.	19.641 /	
AT= 42.0	Ų= U=	22.102 /	4.3	V×	22.119 /	9.2 8.3	₩=	.264646 /	7.9 8.1	T=	25.526 /	
.AT= 48.0 .AT= 54.0	U=	19.763 / 22.102 /	3.5 2.9	V = V =	7.633 / 11.079 /	5.4	W=	.266091 / .235805 /	8.4	T=	26.825 / 23.898 /	
AT= 60.0	U=	26.429 /	2.4	V=	20.089 /	5.1	W=	.198035 /	8.7	T=	20.413 /	
AT= 66.0	U=	27.912 /	2.5	V=	25.926 /	5.2	W=	.144291 /	9.3	T.	14.078 /	
AT= 72.0	U=	28.191 /	2.5	٧×	26.468 /	5.3	W=	.111889 /	9.7	T.	10.142 /	
AT= 78.0	Ų=	19.540 /		V =	21.261 /	5.4	₩≠	.022955 /	8.4	7=	3.357 /	
z= 135.169	K M											
	U=	47 500 /	5.5	N	.006 /		h.i ==	624426 /	11 0	7.	EE 025 /	•
AT= 0.0	U=	47.523 / 47.350 /	5.4	∨ = ∨ =	22.744 /	1.5 8.1	W=	.624426 /		T=	56.925 /	
AT= 6.0 AT= 12.0	U=	46.425 /	5.3		41.360 /	8.1	W= W=	.581390 / .464686 /		T=	52.953 / 42.199 /	
AT= 12.0	U=	44.929 /	5.1	V≃ V≖	53.110 /	8.2	W=	.299276 /		Ta	27.261 /	
AT= 24.0	U=	42.303 /	4.9	V≠ V≠	56.586 /	8.3	W=	.126796 /		T=	12.739 /	
AT= 30.0	U=	37.909 /	4.8	V=	52.783 /	8.4	W=	.091469 /		Ť=	11.320 /	
LAT= 36.0	U=	31.792 /	4.6	V=	43,376 /	8.5	W=	.191843 /	7.3	T =	19.969 /	
A: # 42.0	U=	24.789 /	4.2	V=	30.204 /	B.6	w=	.260203 /	7.4	7 =	25.692 /	
AT= 48.0	บ≖	19.275 /	3.6	V =	16.757 /	8.3	W=	.278030 /	7.5	T=	27.373 /	
AT= 54.0	Ū=	18.368 /	2.8	V.	8.475 /	6.8	₩≖	.258705 /	7.9	T=	25.159 /	
AT= 60.0	Ü=	20.749 /	2.2	٧×	12.987 /	5.2	W=	.223395 /	8.2	T=	21.833 /	
AT= 66.0	U=	22.341 /	2.1	V =	18.323 /	4.8	W=	.167675 /	8.8	T=	15.108 /	4.
LAT= 72.0	U≖	23.138 /	2.0	V =	20.732 /	4.8	W=	.137176 /	9.4	T =	10.714 /	4.
LAT= 78.0	U=	15.144 /	1.6	V =	17.792 /	4.8	W=	.023575 /	9.2	T=	4.090 /	3.
Z= 141.772	KM											
AT= 0.0	U=	50.307 /	4.9	٧×	.005 /	1.2	W =	.689327 /	11.4	T=	48.648 /	8.
AT= 6.0	U=	49.969 /	4.9	V=	21.735 /	7.4	W=	.646381 /		T=	45.349 /	
AT= 12.0	U≃	49.357 /	4.8	V=	39.964 /	7.5	w=	.527007 /		T=	36.432 /	
AT= 18.0	U≖	47.971 /	4.7	V =	52.251 /	7.6	W =	.357281 /	11.4	T=	24.391 /	9.
AT= 24.0	U=	45.467 /	4.5	V۶	57.392 /	7.6	W =	.167018 /		T =	13.868 /	
AT= 30.0	U=	41.136 /	4.4	V×	55.341 /	7.7	W=	.037583 /		T =	14.648 /	
AT= 36.0	U≖	35.081 /	4.3	۶۷	47.622 /	7.9	W=	.157431 /	6.5	T =	21.743 /	
AT= 42.0	U=	27.508 /	4.0	V =	36.451 /	8.1	W=	.247338 /	6.8	T×	27.017 /	
AT= 48.0	U=	20.584 /	3.6	٧×	24.222 /	8.1	W =	.279473 /	6.9	Ţ=	29.086 /	
AT= 54.0	U=	16.625 /	3.0	٧×	13.263 /	7.7	W=	.268327 /	7.4	T=	26.933 /	
AT = 60.0	U±	16.155 /	2.1	V=	7.865 /	6.1	W=	.236793 /	7.8	T=	23.798 /	
AT# 66.0	U≃ U≃	16.642 / 17.849 /	1.9	V≠	12.081 / 16.229 /	4.8	W= W=	.179445 / .143298 /	8.5 9.1	T= T=	16.969 / 11.613 /	
AT= 72.0												

Table B3. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\rm O}{\rm N}$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 149.425 KM				
LAT = 0.0 U= LAT = 6.0 U= LAT = 12.0 U= LAT = 18.0 U= LAT = 24.0 U= LAT = 36.0 U= LAT = 42.0 U= LAT = 42.0 U= LAT = 48.0 U= LAT = 54.0 U= LAT = 60.0 U= LAT = 60.0 U= LAT = 72.0 U= LAT = 78.0 U=	51.797 / 4.5 51.493 / 4.4 50.884 / 4.4 49.510 / 4.3 46.991 / 4.2 42.729 / 4.2 36.823 / 4.0 29.262 / 3.9 21.404 / 3.6 15.551 / 3.2 12.312 / 2.4 11.653 / 2.0 13.215 / 1.5 7.484 / .8	V= .005 / .8 V= 20.411 / 6.8 V= 37.833 / 6.9 V= 50.093 / 6.9 V= 56.012 / 7.0 V= 55.271 / 7.2 V= 49.900 / 7.4 V= 40.393 / 7.5 V= 29.002 / 7.7 V= 18.256 / 7.7 V= 8.914 / 7.3 V= 6.495 / 5.1 V= 12.204 / 3.6	W= .757576 / 10.9 W= .714478 / 10.9 W= .593723 / 11.0 W= .418609 / 11.0 W= .218515 / 11.2 W= .029283 / 11.1 W= .124840 / 5.8 W= .226947 / 6.1 W= .273749 / 6.5 W= .266073 / 6.8 W= .229457 / 7.3 W= .160849 / 8.1 W= .140921 / 8.9 W= .044293 / 11.3	T= 40.167 / 8.2 T= 37.476 / 8.3 T= 30.091 / 8.5 T= 20.299 / 9.1 T= 12.386 / 10.5 T= 15.710 / .5 T= 22.911 / 1.3 T= 27.824 / 1.8 T= 29.845 / 2.2 T= 28.128 / 2.5 T= 25.077 / 2.8 T= 18.206 / 2.9 T= 12.879 / 3.3 T= 5.961 / 2.2
Z= 158.420 KM				
LAT = 0.0 U= LAT = 6.0 U= LAT = 12.0 U= LAT = 18.0 U= LAT = 24.0 U= LAT = 36.0 U= LAT = 42.0 U= LAT = 42.0 U= LAT = 54.0 U= LAT = 66.0 U= LAT = 66.0 U= LAT = 78.0 U=	51.606 / 4.1 51.229 / 4.1 50.385 / 4.0 48.914 / 4.0 46.225 / 3.9 42.022 / 3.8 29.309 / 3.7 21.515 / 3.6 14.873 / 3.4 9.496 / 2.9 8.438 / 2.4 8.663 / 1.5 4.273 / .8	V= .004 / 12.0 V= 18.607 / 6.2 V= 34.919 / 6.2 V= 46.594 / 6.5 V= 53.497 / 6.6 V= 49.137 / 6.9 V= 41.198 / 7.1 V= 31.554 / 7.3 V= 21.424 / 7.6 V= 11.581 / 7.7 V= 3.704 / 6.8 V= 9.199 / 3.1	W= .835883 / 10.4 W= .792108 / 10.4 W= .668626 / 10.5 W= .487311 / 10.7 W= .278867 / 10.9 W= .080889 / 11.5 W= .090325 / 4.6 W= .203154 / 5.4 W= .260167 / 5.7 W= .257691 / 6.2 W= .210708 / 6.6 W= .136083 / 7.6 W= .107965 / 8.6 W= .069476 / 11.8	T= 34.709 / 7.6 T= 32.375 / 7.6 T= 25.757 / 7.9 T= 16.710 / 8.4 T= 10.034 / 10.1 T= 13.688 / .1 T= 21.211 / .9 T= 26.572 / 1.5 T= 28.974 / 1.8 T= 27.486 / 2.1 T= 25.263 / 2.3 T= 18.572 / 2.6 T= 13.519 / 2.8 T= 6.221 / 1.9
Z= 181.310 KM				
LAT = 0.0 U = LAT = 6.0 U = LAT = 12.0 U = LAT = 24.0 U = LAT = 36.0 U = LAT = 42.0 U = LAT = 48.0 U = LAT = 54.0 U = LAT = 66.0 U = LAT = 66.0 U = LAT = 72.0 U = LAT = 79.0 U = LAT = 79	44.857 / 3.4 44.165 / 3.3 42.626 / 3.3 40.024 / 3.4 37.069 / 3.3 33.468 / 3.3 29.536 / 3.3 23.528 / 3.3 17.151 / 3.4 11.355 / 3.7 7.461 / 4.5 6.836 / 4.8 2.588 / 4.9 2.757 / 5.8	V= .003 / 9.6 V= 15.271 / 4.9 V= 28.604 / 5.0 V= 38.551 / 5.1 V= 44.158 / 5.3 V= 45.113 / 5.8 V= 41.801 / 5.8 V= 35.456 / 6.1 V= 27.491 / 6.5 V= 19.290 / 7.0 V= 6.21 / 8.5 V= 2.495 / 11.0 V= 4.632 / 1.5	W= 1.009620 / 9.6 W= .963987 / 9.6 W= .835160 / 9.6 W= .644475 / 9.9 W= .423452 / 10.2 W= .210890 / 10.9 W= .084321 / 1.4 W= .176164 / 3.6 W= .264617 / 4.1 W= .278348 / 4.6 W= .277505 / 4.6 W= .112717 / 4.6 W= .039202 / 5.8 W= .1120521 / 5	T= 36.945 / 6.5 T= 35.521 / 6.4 T= 29.940 / 6.6 T= 21.301 / 6.9 T= 11.234 / 7.5 T= 5.085 / 10.0 T= 10.346 / .2 T= 16.126 / .8 T= 20.28 / 1.2 T= 20.28 / 1.2 T= 20.261 / 1.6 T= 21.494 / 1.9 T= 16.953 / 2.0 T= 12.584 / 2.3 T= 5.206 / 1.7

Table B3. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to 78° N in 6° Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

				
Z= 209.865 KM				}
LAT= 6.0 U= (1.4	3C 7' / 2.6 V 31.794 / 2.5 V 25 V 29.216 / 2.5 V 25 26 372 / 2.5 V 23.924 / 2.4 V 21.274 / 2.4 V 21.274 / 2.6 V 2.	(= .005 / 8.6 (= 13.403 / 3.8 (= 25.185 / 3.9 (= 34.250 / 4.0 (= 39.197 / 4.2 (= 40.000 / 4.3 (= 29.820 / 4.9 (= 29.820 / 4.9 (= 21.866 / 5.2 (= 8.082 / 7.3 (= 6.317 / 9.0 (= 6.088 / 10.4 (= 5.476 / 11.7	W= 1.122000 / 8.9 W= 1.081332 / 8.9 W= .952078 / 9.0 W= .765887 / 9.3 W= .549961 / 9.7 W= .338392 / 10.5 W= .216985 / .1 W= .246237 / 2.1 W= .344080 / 3.1 W= .389019 / 3.6 W= .357365 / 3.5 W= .244887 / 3.2 W= .142623 / 3.7 W= .142623 / 3.7	T= 47.094 / 6.1 T= 45.863 / 6.1 T= 40.666 / 6.2 T= 33.165 / 6.4 T= 24.134 / 6.7 T= 14.630 / 7.1 T= 6.275 / 8.0 T= 3.915 / 11.2 T= 8.119 / .6 T= 10.313 / 1.3 T= 16.704 / 1.5 T= 14.786 / 1.6 T= 10.825 / 2.0 T= 3.836 / 1.7
Z= 240.988 KM				
LAT= 6.0 U= 2 LAT= 12.0 U= 2 LAT= 18.0 U= 2 LAT= 24.0 U= 2 LAT= 30.0 U= 2 LAT= 36.0 U= 2 LAT= 42.0 U= 2 LAT= 48.0 U= 2 LAT= 48.0 U= 2 LAT= 60.0 U= 2 LAT= 66.0 U= 2	28.108 / 1.6 V 27.119 / 1.6 V 27.119 / 1.6 V 25.674 / 1.5 V 24.213 / 1.5 V 22.452 / 1.5 V 20.130 / 1.6 V 15.792 / 1.6 V 19.385 / 1.7 V 2.238 / 3.0 V 8.658 / 5.9 V 11.1908 / 6.7 V	/= .007 / 8.4 /= 13.159 / 3.0 /= 24.868 / 3.1 /= 33.871 / 3.3 /= 39.267 / 3.4 /= 40.450 / 3.6 /= 38.040 / 3.8 /= 31.935 / 4.0 /= 22.597 / 4.3 /= 4.861 / 6.8 /= 4.861 / 6.8 /= 6.461 / 9.3 /= 8.233 / 10.2 /= 8.087 / 11.3	W= 1.133088 / 8.4 W= 1.087935 / 8.4 W= .966917 / 8.6 W= .788237 / 9.0 W= .590251 / 9.5 W= .590251 / 9.5 W= .394759 / 10.4 W= .289109 / 12.0 W= .357295 / 1.7 W= .478763 / 2.6 W= .530284 / 3.1 W= .469529 / 3.0 W= .339806 / 2.8 W= .229392 / 3.5 W= .136527 / 1.6	T= 54.795 / 6.0 T= 53.251 / 6.0 T= 49.371 / 6.1 T= 43.137 / 6.3 T= 34.580 / 6.5 T= 24.591 / 6.8 T= 15.002 / 7.2 T= 7.784 / 7.8 T= 2.532 / 10.1 T= 3.907 / .8 T= 13.739 / 1.3 T= 13.669 / 1.4 T= 10.105 / 2.0 T= 3.208 / 1.5
Z= 272.801 KM				}
LAT= 6.0 U= 2 LAT= 12.0 U= 2 LAT= 18.0 U= 2 LAT= 24.0 U= 2 LAT= 30.0 U= 2 LAT= 36.0 U= 2 LAT= 42.0 U= 1 LAT= 48.0 U= 2 LAT= 54.0 U= 2 LAT= 60.0 U= 2 LAT= 72.0 U= 1	27.767 / 1.0 V 27.285 / 1.0 V 26.674 / 1.0 V 25.740 / .9 V 24.108 / 1.1 V 22.107 / 1.1 V 17.398 / 1.1 V 9.483 / 1.2 V .857 / 1.1 V 9.925 / 5.9 V 13.903 / 6.1 V	(= 13.409 / 2.6 (= 25.425 / 2.7 (= 34.890 / 2.8 (= 41.332 / 3.0 (= 43.466 / 3.2 (= 43.366 / 3.2 (= 35.366 / 3.6 (= 25.318 / 3.8 (= 12.299 / 4.2 (= 3.240 / 6.3 (= 13.062 / 10.4 (= 9.790 / 11.1	W= 1.090134 / 7.9 W= 1.047658 / 8.0 W= .911231 / 8.2 W= .734056 / 8.6 W= .542552 / 9.4 W= .388873 / 10.5 W= .340308 / .2 W= .452111 / 1.7 W= .601024 / 2.5 W= .657803 / 3.0 W= .589842 / 2.7 W= .410624 / 2.6 W= .265262 / 3.4 W= .120000 / 1.9	T= 59.308 / 6.0 T= 57.975 / 6.0 T= 54.303 / 6.1 T= 48.089 / 6.2 T= 39.095 / 6.5 T= 29.517 / 6.7 T= 20.057 / 7.5 T= 11.657 / 7.5 T= 1.391 / .1 T= 12.598 / 1.2 T= 13.253 / 1.3 T= 9.522 / 1.8 T= 2.911 / 1.4

Table B3. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to 78 N in 6 Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 304.762 KM				
LAT= 0.0 U=	29.103 / .7	V= .008 / 8.1	W= 1.033840 / 7.5	T= 60.719 / 6.0
LAT= 6.0 U=	28.768 / .6	V= 13.733 / 2.4	W= .975863 / 7.6	T= 59.788 / 6.0
LAT= 12.0 U=	28.517 / .7 28.209 / .7	V= 26.096 / 2.5 V= 35.977 / 2.6	W= .835055 / 7.9 W= .632646 / 8.3	T= 55.840 / 6.1 T= 49.725 / 6.2
LAT= 24.0 U=	27.469 / .7	V= 42.881 / 2.8	W= .449043 / 9.2	T= 41.336 / 6.4
LAT= 30.0 U=	26.302 / .8	V= 45.445 / 3.0	W* .332499 / 10.7	T= 31.634 / 6.7
LAT= 36.0 U=	23.320 / 1.0	V= 43.241 / 3.2	w= .371668 / .6	T= 21.887 / 7.0
LAT= 42.0 U=	17.907 / 1.0 9.949 / 1.0	V= 36.871 / 3.4 V= 26.570 / 3.6	W= .533373 / 1.9 W= .698677 / 2.5	T= 13.249 / 7.5 T= 5.935 / 8.3
LAT= 48.0 U=	1.129 / 11.0	V= 26.5/0 / 3.6 V= 12.907 / 3.9	W= .752728 / 3.0	T= 1.496 / 10.3
LAT= 60.0 U=	10.867 / 6.1	V= 2.252 / 6.0	W= .649187 / 2.5	T= 12.051 / 1.1
LAT# 66.0 U=	15.229 / 6.0	V= 7.661 / 9.8	W= .457189 / 2.4	T= 12.949 / 1.2
LAT= 72.0 U=	16.265 / 6.8	V= 10.810 / 10.3	W= .300180 / 3.2	T= 9.445 / 1.9
LAT 78.0 U=	11.402 / 6.5	V* 11.182 / 11.2	W= .119140 / 2.0	T= 2.799 / 1.4
Z= 336.754 KM				
LAT= 0.0 U=	30.138 / .5	V= .008 / 8.0	W= .983883 / 7.1	T= 62.467 / 5.9
LAT = 6.0 U=	29.853 / .5 29.767 / .5	V= 14.276 / 2.2 V= 26.916 / 2.4	w= .919420 / 7.1 w= .757722 / 7.4	T= 61.177 / 5.9 T= 57.349 / 6.1
LAT= 18.0 U=	29.777 / .5	V= 37.239 / 2.5	w= .528054 / 7.9	T= 51.662 / 6.3
LAT= 24.0 U=	28.854 / .6	V= 44.555 / 2.7	W= .313590 / 9.1	T= 43.252 / 6.5
LAT= 30.0 U=	27.252 / .7	V= 47.455 / 2.9	W= .262868 / 11.3	T= 33.415 / 6.7
LAT = 36.0 U=	24.558 / .9	V= 45.430 / 3.1	W= .401837 / 1.0	T= 23.448 / 7.1
LAT= 42.0 U=	18.347 / .9 9.971 / .8	V= 39.161 / 3.3 V= 28.337 / 3.5	w= .609782 / 2.0 w= .786191 / 2.6	T= 14.035 / 7.5 T= 6.125 / 8.1
LAT= 48.0 U=	9.971 / .8 1.681 / 10.8	V= 28.337 / 3.5 V= 13.428 / 3.7	W= .786191 / 2.6 W= .838121 / 2.9	T= 6.125 / 8.1 T= 1.394 / 9.7
LAT= 60.0 U=	11.467 / 6.1	V= 1.825 / 5.5	W= .678219 / 2.5	T= 11.953 / 1.1
LAT= 66.0 U=	16.091 / 6.0	V= 7.815 / 9.8	W= .470039 / 2.2	T= 12.941 / 1.2
LAT= 72.0 U=	17.284 / 6.8	V= 11.616 / 10.4	W= .290694 / 3.0	T= 9.260 / 1.7
LAT= 78.0 U=	11.980 / 6.7	V= 11.490 / 11.2	W= .105641 / 1.9	T= 2.738 / 1.5
Z= 368.753 KM				
LAT= 0.0 U=	31.070 / .4	v= .009 / 7.9	W= .959416 / 6.5	T= 64.185 / 5.9
LAT= 6.0 U=	30.795 / .3	V= 14.448 / 2.2	w= .887554 / 6.7	T= 62.878 / 5.9
LAT= 12.0 U=	30.774 / .3	V= 27.527 / 2.2	W= .702194 / 6.8	T= 58.997 / 6.1
LAT= 18.0 U=	30.735 / .4	V= 38.148 / 2.4	W= .438015 / 7.3	T= 53.227 / 6.3
LAT= 24.0 U=	29.952 / .5	V= 45.071 / 2.6	W= .178745 / 8.7	T= 44.650 / 6.5
LAT = 30.0 U=	28.306 / .6 24.977 / .8	V= 48.211 / 2.8 V= 47.550 / 3.0	w= .213460 / .2 w= .448036 / 1.4	T= 34.580 / 6.7 T= 24.339 / 7.0
LAT= 42.0 U=	19.183 / .8	V= 47.550 / 3.0 V= 40.413 / 3.2	W= .448036 / 1.4 W= .682712 / 2.2	T= 14.594 / 7.4
LAT= 48.0 U=	10.434 / .8	V= 29.327 / 3.4	W= .861143 / 2.6	T= 7.722 / 8.2
LAT= 54.0 U=	2.255 / 10.0	V= 14.845 / 3.6	W= .914799 / 2.9	T= 2.586 / 9.3
LAT = 60.0 U=	11.755 / 6.0	V= 1.129 / 5.6	W= .717205 / 2.3	T= 11.829 / 1.1
LAT = 66.0 U=	16.593 / 6.0	V= 8.071 / 9.8	W= .489808 / 2.0	T= 13.106 / 1.3
LAT= 72.0 U=	17.846 / 6.7 12.310 / 6.6	V= 11.876 / 10.4 V= 11.753 / 11.2	w= .313362 / 2.8 w= .118443 / 1.9	T= 9.526 / 1.8 T= 2.801 / 1.6
[LAT /0.0 U	12.310 / 0.0	v= 11.755 / 11.2	W= .118443 / 1.9	T= 2.801 / 1.6

Table B3. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\rm O}{\rm N}$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

	KM											
LAT= 0.0	U≖	31.919 /	. 3	V =	,009 /	7.9	W =	.976388 /	6.1	T=	66.031 /	5.
LAT= 6.0	IJ=	31.629 /	.3	V =	14.920 /	2.1	W=	.900407 /	6.1	T =	64.700 /	5.
LAT= 12.0	U =	31.590 /	.3	V =	28.168 /	2.2	W=	.699062 /	6.1	T =	60.740 /	6.
LAT= 18.0	U=	31.679 /	. 3	V =	39.073 /	2.4	W=	.398954 /	6.4	T=	54.855 /	6.
LAT= 24.0	U=	30.833 /	. 5	V≖	46.787 /	2.5	w =	.075418 /	6.1	T=	46.080 /	6.
AT= 30.0	U=	29.230 /	٠6	V=	50.178 /	2.8	W=	.235331 /	1.4	T=	35.762 /	6.
AT= 36.0	U=	25.798 /	. 8	V =	48.791 /	3.0	W=	.505819 /	1.7	T =	25.248 /	7.
AT= 42.0	U=	19.904 /	.8	V =	41.587 /	3.2	W=	.753263 /	2.4	1=	16.104 /	7.
LAT= 48.0	U=	10.923 /	. 7	V =	29.906 /	3.3	W=	.927709 /	2.7	T=	8.123 /	8.
LAT= 54.0	U=	2.662 / 1	10.1	V×	14.265 /	3.5	W=	.971444 /	2.9	T =	2.712 /	9.
AT# 60.0	U=	12.054 /	6.0	V≖	.738 /	5.5	W =	.728354 /	2.2	T=	11.832 /	1.
LAT= 66.0	U≖	17.007 /	5.9	V =	8.093 /	9.9	W=	.507729 /	1.7	T≈	13.231 /	1.
AT= 72.0	Ų=	18.342 /	6.7	V =	12.095 /	10.4	M =	.317703 /	2.6	T=	9.611 /	1.
LAT= 78.0	U=	12.521 /	6.7	V *	11.985 /	11,2	W=	.120725 /	1.7	Ţπ	2.780 /	1.

Table B4. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice

Z= 0.000	KM							_		
LAT=-78.0	U=	.033 /	3.2	V =	.038 / .5	W	0.000000 /	12.0	Ť≖	0.000 / 5.2
LAT=-72.0	U≔	.039 /	2.7	V =	.038 / 11.7		0.000000 /		7=	0.000 / 11.1
LAT=-66.0	U=	.052 /	2.4	V =	.052 / 11.3		0.000000 /		T=	
LAT=-60.0	U=	.078 /	2.6	V=	.079 / 11.5		0.000000 /		Te	.001 / 10.9 .002 / 10.7
LA1=-54.0	U=	.112 /	2.7	v =	.117 / 11.7		0.000000 /		T=	.002 / 10.7
LAT =-46.0	Ü≃	.147 /	2.8	V =	.160 / 11.8		0.000000 /		T=	.004 / 10.9
LAT=-42.0	U =	.172 /	2.9	V =	.194 / 11.9	w=	0.000000 /		T=	
LAT=-36.0	U=	.185 /	2.8	V =	.215 / 12.0		0.000000 /		T=	
LAT=-30.0	U=	.185 /	2.8	V =	.211 / 11.9		0.000000 /		T=	.011 / 9.7 .016 / 9.6
LAT= 14.0	U=	.177 /	2.7	V =	.184 / 11.6		0.000000 /		T=	.010 / 9.6
LAT- 4.0	U =	.169 /	2.6	V=	.144 / 11.4		0.000000 /		T=	.031 / 9.6
LAT=-12.0	U≃	.166 /	2.7	V =	.099 / 11.2		0.000000 /		T=	.039 / 9.6
LAT = -6.0	U=	168 /	2.8	V =	.051 / 11.0		0.000000 /		T=	.045 / 9.6
LAT= 0.0	∪ =	.172 /	2.8	V =	.006 / 11.7		0.000000 /		T=	.049 / 9.6
LAT= 6.0	U=	.175 /	2.7	V =	.035 / 4.6		0.000000 /		T=	.049 / 9.6
LAT= 12.0	U=	.178 /	2.7	V =	.073 / 5.0		0.000000 /		T=	.044 / 9.6
LAT= 18.0	U=	.183 /	2.7	V =	.114 / 5.3		0.000000 /		T=	.044 / 9.6
LAT= 24.0	U=	.193 /	2.7	V =	.161 / 5.6		0.000000 /		†= †=	.027 / 9.6
LAT= 30.0	U=	.209 /	2.8	v =	.208 / 5.8		0.000000 /		†±	.016 / 9.6
LAT= 36.0	Ü=	.226 /	2.9	V =	.244 / 5.8		0.000000 /		T=	.010 / 9.6
LAT= 42.0	U=	.235 /	2.8	V =	258 / 5.9		0.000000 /		Ť=	.009 / 9.0
LAT= 48.0	U =	.230 /	2.7	V =	.250 / 5.8		0.000000 /		T=	.002 / 2.0
LAT= 54.0	U =	.211 /	2.6	V =	.222 / 5.6		0.000000 /		T=	.002 / 2.0
LAT= 60.0	U=	.176 /	2.6	V =	.183 / 5.4		0.000000 /		7=	.004 / 2.5
LAT= 66.0	U=	.144 /	2.5	V =	.141 / 5.4		0.000000 /		T=	.002 / 2.1
LAT# 72.0	U≃	.110 /	2.5	V =	106 / 5 .5		0.000000 /		T=	.001 / 2.8
LAT= 78.0	U =	.080 /	2.7	V =	.080 / 5.9		0.000000 /		T=	.001 / 4.5
Z= 2.078	KM									
LAT=-78.0	U=	.028 /	3.9	V =	.024 / .8	w=	.000043 /	7.5	T =	.001 / 4.8
LAT=-72.0	= نا	.049 /	3.8	V =	.046 / .7	₩≃	.000017 /		Ťŧ	.001 / 6.7
LAT==66.0	U=	.074 /	3.6	V =	.075 / .6	W=	.000036 /		T=	.001 / 9.2
LAT=-150.0	U =	.105 /	3.5	V =	.110 / .6	W=	.0(0064 /	.3	T=	.003 / 9.3
LAT=-54.0	U =	.138 /	3.4	V =	.150 / .4	w=	.000080 /	.2	T=	.005 / 9.3
LAT=-48.0	U=	.170 /	3.2	V =	.188 / .2	W =	.000077 /		T=	.007 / 9.1
LAT = -42.0	U =	192 /	3.1	V =	.217 / .1	w=	.000055 /		T=	.009 / 9.0
LAT==36.0	U =	.204 /	2.9	V =	.235 / 11.9	w=	.000035 /	9.6	T=	.013 / 9.0
LAT = - 30.0	U =	.205 /	3.0	V =	.233 / 11.9	w =	.000055 /	7.6	7=	.019 / 8.9
LAT=-24.0	U =	.199 /	2.9	V =	.208 / 11.8	W=	.000078 /	6.8	T=	.025 / 8.9
LAT=-18.0	U =	189 /	2.9	V =	.164 / 11.7	w =	.000077 /	6.2	T=	.034 / 8.8
LAT=-12.0	U=	.182 /	2.9	V =	111 / 11.7	W =	.000062 /	5.5	T=	.042 / 8.8
£AT= -6.0	U =	.180 /	2.9	V =	.054 / 11,8	W =	.000043 /	4.2	T=	.050 / 8.8
LAT= 0.0	U =	.181 /	2.9	V =	.009 / 2.3	w =	.000036 /	2.9	T=	.054 / 8.8
LAT: 6.0	U -	185 /	2.9	V =	.044 / 5.3	w=	.000018 /	2.2	T=	.054 / 8.8
LAT= 12.0	U ≐	.191 /	2.8	V =	.083 / 5.7	W =	.000021 /	6.9	T=	.047 / 8.8
LAT= 18.0	ti =	.200 /	2.9	V =	.125 / 5.8	W =	.000062 /	6.9	T=	.038 / 8.8
LAT= 24.0	U =		3.0	V =	.170 / 5.9	₩÷	.000102 /	6.7	T=	.027 / 8.8
LAT= 30.0	U =	.228 /	3.0	V =	.217 / 6.0	w =	.000118 /	6.4	T=	.016 / 8.8
LAT= 36.0	U =		3.0	V =	.258 / 6.0	W =	.000109 /	6.0	T =	.008 / 9.0
LAT= 42.0	∪ =		3.0	V =	.284 / 6.0	w =	.000083 /	5.3	7 =	.002 / 10.5
LAT= 48.0	U =		3.0	V =	.291 / 6.0	w =	.000063 /	4.5	T=	
LAT= 54.0	Ų ±		2.9	V =	.277 / 5.9	W =	.000049 /	3.5	T=	
LAT = 60.0	Ú=		2.9	v =	.244 / 5.9	W =	.000038 /	2.8	T=	
LAT# 66.0	U=		2.3	v =	199 / 5.9	w=	.000018 /	3.0	T=	
LAT= 72.0	U≂		2.8	v =	.147 / 5.8	W=	.000012 /	6.0	T=	.003 / 2.0
LA: - /2.0						***		~. ~	, -	/ 2.7
LAT= 78.0	U=	.097 /	2.7	V =	.093 / 5.7	W =	.000035 /	7.1	T=	.002 / 3.6

Table B4. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

			-					
Z= 4.161	KM							
LAT=-78.0	U=	.050 / 3.9	Vع	.047 / .9	W =	.000039 / 7.8	T =	.001 / 5.3
LAT=-72.0	U=	.078 / 3.8	V =	.078 / .8	M=	.000038 / 10.5	T =	.002 / B.3
LAT=-66.0	U=	.103 / 3.7	٧×	.107 / .7	M=	.000077 / 11.5	T=	.003 / 9.0
LAT=-60.0	U≖ U≖	.126 / 3.6 .146 / 3.4	V =	.134 / .6	W=	.000114 / 11.6	T =	.005 / 9.0
LAT=-48.0	U=	.146 / 3.4 .164 / 3.1	V ≠ V =	.158 / .4 .181 / .2	W=	.000139 / 11.4	T=	.007 / 9.0
LAT=-42.0	U=	.181 / 3.0	V = V =	.201 / 12.0	₩=	.000142 / 11.2 .000120 / 10.7	T≖ T=	.010 / 8.9
LAT=-36.0	Ü=	.192 / 2.9	V=	.216 / 11.8	w =	.000087 / 9.6	T	.012 / 8.9 .016 / 8.9
LAT=-30.0	Ū≖	.198 / 2.9	٧×	.219 / 11.8	₩=	.000087 / 7.8	Te	.020 / 8.9
LAT =-24.0	U=	.198 / 2.9	V=	.206 / 11.8	₩=	.000119 / 6.6	T*	.026 / 8.9
LAT=-18.0	U=	.191 / 2.9	V=	.174 / 11.8	W=	.000138 / 5.8	T=	.034 / 8.9
LAT=-12.0	U=	.185 / 2.9	V =	.128 / 11.8	W=	.000131 / 5.2	7 =	.042 / 8.9
LAT= -6.0	u=	.180 / 2.9	V×	.070 / 12.0	W=	.000103 / 4.5	T≖	.050 / 8.9
LAT= 0.0	U=	.180 / 2.9	٧×	.011 / 1.4	₩≖	.000064 / 3.8	T =	.054 / 8.9
LAT= 6.0	U≈	.184 / 2.9	٧×	.051 / 5.6	W =	.000024 / 3.6	T=	.054 / 8.9
LAT= 12.0 LAT= 18.0	U=	.192 / 2.8 .201 / 2.9	V =	.101 / 5.8	W =	.000040 / 7.0	T =	.047 / 8.9
LAT= 24.0	U=	.212 / 3.0	V≠ V≈	.144 / 5.9 .180 / 5.9	₩=	.000100 / 6.9	T =	.038 / 8.9
LAT= 30.0	U=	.222 / 3.0	V=	.212 / 5.9	₩ = ₩ =	.000167 / 6.6	T= T=	.026 / 8.9
LAT= 36.0	Ü=	.233 / 3.0	V=	.239 / 5.9	W=	.000217 / 5.9	T=	.015 / 8.9 .006 / 9.1
LAT= 42.0	U=	.241 / 3.0	V =	.258 / 5.9	W =	.000117 / 5.6	† -	.006 / 9.1 .001 / 11.4
LAT= 48.0	U≖	.246 / 3.0	V=	.265 / 6.0	W=	.000147 / 5.3	Ť=	.003 / 1.8
LAT= 54.0	U=	.244 / 3.0	٧×	.260 / 6.0	w=	.000097 / 4.8	T=	.004 / 1.8
LAT= 60.0	U=	.225 / 3.0	V =	.240 / 6.1	w=	.000059 / 4.2	Ť=	.004 / 2.2
LAT= 66.0	U≖	.201 / 3.0	V =	.205 / 6.1	W=	.000034 / 4.4	Ť₽	.002 / 2.1
LAT= 72.0	U=	.156 / 3.0	V =	.157 / 6.1	W=	.000021 / 5.0	T=	.002 / 2.9
LAT= 78.0	U=	.104 / 2.9	V =	-104 / 6.1	W=	.000027 / 6.7	T =	.002 / 3.6
Z= 9.525	KM							
LAT=-78.0	U=	.083 / 3.1	V×	.082 / 12.0	w=	.000026 / 9.0	Ť z	.001 / 7.2
LAT=-72.0	U=	.122 / 3.1	V =	.123 / .1	W =	.000067 / 10.2	T=	.003 / 8.1
LAT=-66.0	Ų=	.152 / 3.1	V =	.157 / .1	W=	.000116 / 10.5	7=	.007 / 8.2
LAT=-60.Q	U=	.172 / 3.1	V =	.182 / .1	W=	.000167 / 10.5	T =	.010 / 8.2
LAT=-54.0	U=	.183 / 3.1	V =	.197 / .1	W =	.000230 / 10.4	T =	.014 / 8.3
LAT=~48.0	U=	.188 / 3.0	V =	.204 / 12.0	W =	.000276 / 10.3	T =	.019 / B.3
LAT=-42.0	U=	.190 / 2.9	V =	.205 / 12.0	W=	.000278 / 10.0	T =	.023 / B.4
LAT=-36.0 LAT=-30.0	! ± U=	.190 / 3.0 .190 / 3.0	V =	.201 / 12.0	W=	.000237 / 9.7	1=	.026 / 8.5
LAT=-24.0	U=	.190 / 3.0 .189 / 2.9	V = V =	.196 / 11.9 .187 / 11.9	W≂	.000153 / 8.9	T≠	.028 / B.7
LAT=-18.0	U=	.187 / 2.9	V = V =	.168 / 11.9	₩=	.000127 / 6.7 .000208 / 5.4	T =	.030 / 8.8
LAT=-12.0	Ū=	.183 / 2.9	V =	.136 / 11.9	W=	.000208 / 5.4 .000264 / 5.0	Τ= Τ=	.034 / 8.9 .039 / 9.0
LAT= -6.0	U=	.178 / 2.9	V =	.090 / 11.9	W=	.000260 / 4.7	T =	.039 / 9.0 .045 / 9.1
LAT= 0.0	Ú=	.177 / 2.9	v=	.028 / 11.9	W=	.000192 / 4.6	T =	.051 / 9.0
LAT= 6.0	U=	.180 / 2.9	V =	.042 / 5.7	w=	.000107 / 5.1	T =	.052 / 8.9
LAT= 12.0	U=	.190 / 2.9	V *	.110 / 5.8	W=	.000097 / 6.4	Τ=	.047 / 8.8
LAT= 18.0	U=	.200 / 2.9	V =	.165 / 5.8	₩≖	.000164 / 6.8	T =	.038 / 8.8
LAT= 24.0	U=	.211 / 2.9	V =	.205 / 5.8	W≖	.000264 / 6.6	T =	.024 / 8.8
LAT= 30.0	U=	.218 / 2.9	V =	.229 / 5.8	W =	.000368 / 6.3	T≖	.011 / B.G
LAT= 36.0	U =	.219 / 2.9	V =	.236 / 5.9	W =	.000435 / 6.1	7 =	.001 / 6.3
LAT= 42.0	U= U=	.212 / 2.9	V =	.231 / 6.0	w =	.000437 / 6.0	T =	.037 / 2.8
LAT= 48.0 LAT= 54.0	u= u≠	.201 / 3.0	V =	.219 / 6.0	W =	.000389 / 5.9	T =	.010 / 2.7
LAT= 54.0	U≡ U=	.187 / 3.1 .163 / 3.1	V =	.199 / 6.1	W =	.000297 / 5.8	T =	.009 / 2.6
LAT = 66.0	U=	.163 / 3.1	∨= ∨=	.175 / 6.1 .146 / 6.2	W = W =	.000193 / 5.7	Ϊ= Τ-	.007 / 2.7
LAT= 72.0	U=	.109 / 3.1	V = V =	.111 / 6.2	w- W=	.000138 / 5.9 .000069 / 5.4	T= T≃	.005 / 2.8 .003 / 2.4
LAT= 78.0	Ű=	.072 / 3.0	V=	.074 / 6.2	W≠	.000003 / 4.2	T=	.003 / 2.4
	-	·	•		••	/ 416	. –	.00, / 1.9

Table B4. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 14.879 F	KM									
LAT=-78.0	U= .1	21 /	2.5	V =	.118 / 11.5	W=	.000026 /	7.9	T=	.002 / 6.
LAT=-72.0	U= .1	75 /	2.5	V=	.173 / 11.5	W=	.000054 /	8.9	T=	.005 / 7.
LAT=-66.0		217 /	2.5	٧×	.221 / 11.5	W=	.000099 /	9.5	T=	.010 / 7.
LAT=-60.0		247 /	2.6	V=	.258 / 11.6	W=	.000153 /	9.3	T=	.015 / 7.
LAT=-54.0		260 ∕	2.6	V=	.278 / 11.6	W =	.000238 /	9.2	T=	.023 / 7.
LAT=-48.0		57 /	2.7	V=	.278 / 11.7	W=	.000322 /	9.2	T=	.032 / 7.
LAT=-42.0		245 /	2.8	V=	.262 / 11.8	W=	.000369 /	9.1	T=	.040 / 7.
LAT=-36.0		26 /	2.9	V=	.234 / 12.0	W =	.000368 /	B.9	T=	.045 / 8.
LAT=-30.0		210 /	3.0	V =	.202 / .1	W=	.000296 /	8.6	T=	.049 / 8.
LAT=-24.0		99 /	3.0	V=	.174 / .2	W=	.000196 /	7.5	T=	.053 / 8.
LAT=-18.0		94 /	3.0	V =	.152 / 12.0	W=	.000212 /	5.6	T=	.057 / 9.
LAT=-12.0		92 /	3.0	V=	.129 / 11.9	W=	.000212 /	4.7	T=	.063 / 9.
LAT= -6.0		90 /	3.0	V=	.101 / 11.7	W=	.000382 /	4.4	T=	.068 / 9.
LAT= 0.0		88 /	3.0	V =	.055 / 11.3	W=	.000367 /	4.4	T=	
		89 /	3.0	V=	.026 / 7.1			5.0		
LAT= 6.0	-					W=	.000306 /		T=	
LAT= 12.0		199 /	2.9	V =	.110 / 5.9	₩≠	.000301 /	5.8	T=	.064 / 8.
LAT= 18.0		214 /	2.8	V =	.191 / 5.8	W=	.000381 /	6.4	T=	.052 / 8.
LAT= 24.0		231 /	2.9	٧×	.257 / 5.7	W=	.000496 /	6.6	T=	.035 / 8.
LAT= 30.0		240 /	2.9	V =	.287 / 5.7	W=	.000587 /	6.5	<u>T</u> #	.018 / 7.
LAT= 36.0		231 /	2.8	V =	.275 / 5.8	W=	.000619 /	6.4	T =	.007 / 6.
LAT= 42.0		201 /	2.9	V =	.234 / 5.9	W=	.000578 /	6.2	T=	.011 / 3.
LAT= 48.0		61 /	3.0	V =	.180 / 6.0	W=	.000491 /	6.1	T =	.014 / 3.
LAT= 54.0		16 /	3.2	V =	.122 / 6.2	W=	.000365 /	6.1	Ţ=	.013 / 2.
LAT= 60.0		70 /	3.5	V *	.076 / 6.5	w=	.000229 /	5.8	T=	.011 / 2.
LAT= 66.0		43 /	3.8	¥ =	.045 / 6.B	W=	.000182 /	6.2	T=	.009 / 2.
LAT= 72.0		23 /	4.5	V×	.025 / 7.2	w=	.000071 /	5.3	T =	.004 / 2.
LAT= 78.0	U= .0	13 /	5.1	V =	.013 / 7.9	M=	.000034 /	2.5	T=	.002 / 11.
z= 20.239 H	(M									
LAT=-78.0	U= .1	67 /	1.9	V =	.166 / 11.0	w=	.000083 /	5.8	T=	.006 / 3.
			1.9	V= V=	.166 / 11.0		.000083 /			
LAT=-72.0	U= .2	44 /	1.9	V =	.242 / 11.0	W=	.000125 /	6.1	T=	.007 / 3.
LAT=-72.0 LAT=-66.0	U= .2 U= .3	44 / 806 /	1.9 2.0	V = V =	.242 / 11.0 .308 / 11.0	W = W =	.000125 / .000150 /	6.1 6.5	T= T=	.007 / 3. .009 / 4.
LAT=-72.0 LAT=-66.0 LAT=-60.0	U= .2 U= .3 U= .3	944 / 906 / 941 /	1.9 2.0 2.0	V = V = V =	.242 / 11.0 .308 / 11.0 .356 / 11.0	W= W= W=	.000125 / .000150 / .000250 /	6.1 6.5 6.5	₹# T# T#	.007 / 3. .009 / 4. .015 / 4.
LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0	U= .2 U= .3 U= .3	944 / 906 / 941 / 952 /	1.9 2.0 2.0 2.0	∨ = ∨ = ∨ = ∨ ±	.242 / 11.0 .308 / 11.0 .356 / 11.0 .378 / 11.0	₩= ₩= ₩=	.000125 / .000150 / .000250 / .000369 /	6.1 6.5 6.5 6.6	T= T= T=	.007 / 3. .009 / 4. .015 / 4. .023 / 4.
LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-48.0	U= .2 U= .3 U= .3 U= .3	144 / 106 / 141 / 152 / 139 /	1.9 2.0 2.0 2.0 2.2	V = V = V = V =	.242 / 11.0 .308 / 11.0 .356 / 11.0 .378 / 11.0 .369 / 11.2	#= #= #= #=	.000125 / .000150 / .000250 / .000369 / .000470 /	6.1 6.5 6.5 6.6 6.8	T = T = T = T =	.007 / 3. .009 / 4. .015 / 4. .023 / 4. .030 / 5.
LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-48.0 LAT=-42.0	U= .2 U= .3 U= .3 U= .3 U= .3 U= .3	144 / 106 / 141 / 152 / 139 /	1.9 2.0 2.0 2.0 2.2 2.4	V = V = V = V =	.242 / 11.0 .308 / 11.0 .356 / 11.0 .378 / 11.0 .369 / 11.2 .339 / 11.5	#= #= #= #=	.000125 / .000150 / .000250 / .000369 / .000470 / .000531 /	6.1 6.5 6.5 6.6 6.8 7.0	T= T= T= T= T=	.007 / 3. .009 / 4. .015 / 4. .023 / 4. .030 / 5.
LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-48.0 LAT=-42.0 LAT=-36.0	U= .2 U= .3 U= .3 U= .3 U= .3 U= .3 U= .3	244 / 306 / 341 / 352 / 339 / 315 /	1.9 2.0 2.0 2.2 2.4 2.6	V = V = V = V = V = V =	.242 / 11.0 .308 / 11.0 .356 / 11.0 .378 / 11.0 .369 / 11.2 .339 / 11.5 .299 / 11.9	#= #= #= #= #= #=	.000125 / .000150 / .000250 / .000369 / .000470 / .000531 / .000541 /	6.1 6.5 6.5 6.6 6.8 7.0	T= T= T= T= T= T=	.007 / 3. .009 / 4. .015 / 4. .023 / 4. .030 / 5. .034 / 5.
LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-42.0 LAT=-36.0 LAT=-36.0	U= .2 U= .3	244 / 306 / 341 / 352 / 339 / 315 / 267 /	1.9 2.0 2.0 2.2 2.4 2.6 3.0	V = V = V = V = V = V = V =	.242 / 11.0 .308 / 11.0 .356 / 11.0 .378 / 11.0 .369 / 11.2 .339 / 11.5 .299 / 11.9 .266 / .3	#= #= #= #= #= #=	.000125 / .000150 / .000250 / .000369 / .000470 / .000531 / .000541 /	6.1 6.5 6.5 6.6 7.0 7.1 7.3	T= T= T= T= T= T=	.007 / 3. .009 / 4. .015 / 4. .023 / 4. .030 / 5. .034 / 5. .035 / 6.
LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-42.0 LAT=-42.0 LAT=-36.0 LAT=-30.0 LAT=-24.0	U= .2 U= .3	244 / 306 / 341 / 352 / 339 / 315 / 286 / 259 /	1.9 2.0 2.0 2.2 2.4 2.6 3.0 3.1	V = V = V = V = V = V = V = V = V = V =	.242 / 11.0 .308 / 11.0 .356 / 11.0 .356 / 11.0 .369 / 11.2 .339 / 11.5 .299 / 11.9 .266 / .3 .245 / .6	 	.000125 / .000150 / .000250 / .000369 / .000470 / .000531 / .000541 / .000471 / .000334 /	6.1 6.5 6.5 6.6 6.8 7.0 7.1 7.3	T = T = T = T = T = T = T = T = T = T =	.007 / 3009 / 4015 / 4023 / 4030 / 5034 / 5036 / 6042 / 7.
AT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-48.0 LAT=-42.0 LAT=-36.0 LAT=-30.0 LAT=-24.0 LAT=-18.0	U= .2 U= .3	244 / 306 / 341 / 352 / 339 / 315 / 367 / 259 /	1.9 2.0 2.0 2.2 2.4 2.6 3.0 3.1	V = V = V = V = V = V = V = V = V = V =	.242 / 11.0 .308 / 11.0 .356 / 11.0 .378 / 11.0 .369 / 11.2 .339 / 11.5 .299 / 11.9 .266 / .3 .245 / .6		.000125 / .000150 / .000250 / .000369 / .000470 / .000531 / .000541 / .000471 / .000334 /	6.1 6.5 6.5 6.6 6.8 7.0 7.1 7.3 7.4 6.8	T= T= T= T= T= T= T=	.007 / 3009 / 4015 / 4023 / 4030 / 5034 / 5035 / 5036 / 6042 / 7055 / 8.
AT=-72.0 AT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-42.0 LAT=-36.0 LAT=-36.0 LAT=-30.0 LAT=-18.0 LAT=-19.0	U= .2 U= .3 U= .2 U= .2 U= .2 U= .2	244 / 306 / 341 / 352 / 339 / 315 / 367 / 359 /	1.9 2.0 2.0 2.2 2.4 2.6 3.0 3.1 3.2	V = V = V = V = V = V = V = V = V = V =	.242 / 11.0 .308 / 11.0 .356 / 11.0 .378 / 11.0 .369 / 11.2 .339 / 11.5 .299 / 11.9 .266 / .3 .245 / .6 .116 / .6	**************************************	.000125 / .000150 / .000250 / .000369 / .000470 / .000531 / .000541 / .000471 / .000334 / .000180 /	6.1 6.5 6.5 6.6 6.8 7.0 7.1 7.3 7.4 6.8 5.0	T = T = T = T = T = T = T = T = T = T =	.007 / 3. .009 / 4. .015 / 4. .023 / 4. .030 / 5. .034 / 5. .035 / 5. .036 / 6. .042 / 7. .055 / 8.
AT=-72.0 AT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-42.0 LAT=-36.0 LAT=-30.0 LAT=-24.0 LAT=-19.0 LAT=-19.0 LAT=-19.0	U= .2 U= .3 U= .3 U= .3 U= .3 U= .3 U= .3 U= .2	244 / 306 / 3141 / 352 / 339 / 315 / 256 / 256 / 250 /	1.9 2.0 2.0 2.2 2.4 2.6 3.0 3.1 3.2 3.1	V = V = V = V = V = V = V = V = V = V =	.242 / 11.0 .308 / 11.0 .356 / 11.0 .378 / 11.0 .369 / 11.2 .339 / 11.5 .299 / 11.5 .299 / 11.5 .296 / .3 .245 / .6 .219 / .7 .176 / .6 .120 / 12.0		.000125 / .000150 / .000250 / .000369 / .000470 / .000531 / .000541 / .000471 / .000334 / .000180 / .000195 /	6.1 6.5 6.6 6.8 7.0 7.1 7.3 7.4 6.8 5.0 4.5	T= T= T= T= T= T= T= T= T=	.007 / 3009 / 4015 / 4023 / 4030 / 5034 / 5036 / 6042 / 7055 / 8066 / 8071 / 9.
AT=-72.0 AT=-66.0 AT=-66.0 AT=-54.0 LAT=-48.0 LAT=-42.0 LAT=-36.0 LAT=-30.0 LAT=-12.0 LAT=-12.0 LAT=-12.0	U= .2 U= .3 U= .3 U= .3 U= .3 U= .3 U= .3 U= .2	244 / 306 / 3141 / 352 / 339 / 315 / 267 / 259 / 256 / 242 /	1.9 2.0 2.0 2.2 2.4 2.6 3.0 3.1 3.2 3.1 3.0	V = V = V = V = V = V = V = V = V = V =	.242 / 11.0 .308 / 11.0 .356 / 11.0 .378 / 11.0 .369 / 11.2 .339 / 11.5 .299 / 11.9 .266 / .3 .245 / .6 .219 / .7 .176 / .6 .120 / 12.0 .065 / 10.5	**************************************	.000125 / .000150 / .000250 / .000369 / .000470 / .000531 / .000541 / .000471 / .000334 / .000180 / .000195 / .000371 /	6.1 6.5 6.6 6.8 7.0 7.1 7.3 7.4 6.8 5.0 4.5		.007 / 3009 / 4015 / 4023 / 4030 / 5034 / 5036 / 6042 / 7055 / 8066 / 9071 / 10.
AT=-72.0 AT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-48.0 LAT=-48.0 LAT=-36.0 LAT=-36.0 LAT=-24.0 LAT=-18.0 LAT=-12.0 LAT=-16.0 LAT=-6.0	U= .2 U= .3 U= .3 U= .3 U= .3 U= .3 U= .3 U= .2	244 / 306 / 341 / 352 / 339 / 315 / 286 / 259 / 256 / 250 / 242 /	1.9 2.0 2.0 2.2 2.4 2.6 3.0 3.1 3.2 3.1 3.1	V = V = V = V = V = V = V = V = V = V =	.242 / 11.0 .308 / 11.0 .356 / 11.0 .378 / 11.0 .369 / 11.2 .339 / 11.5 .299 / 11.9 .266 / .3 .245 / .6 .219 / .7 .176 / .6 .120 / 12.0 .065 / 10.5		.000125 / .000150 / .000250 / .000369 / .000470 / .000531 / .000541 / .000471 / .000374 / .000180 / .000195 / .000371 / .000591 /	6.1 6.5 6.6 6.6 7.0 7.1 7.3 7.4 6.9 4.7 5.2	T = = = = T	.007 / 3009 / 4015 / 4023 / 4030 / 5034 / 5036 / 6042 / 7055 / 8066 / 9071 / 9062 / 10.
AT=-72.0 AT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-42.0 LAT=-36.0 LAT=-36.0 LAT=-24.0 LAT=-18.0 LAT=-12.0 LAT=-12.0 LAT=-6.0 LAT=-6.0 LAT= 12.0	U= .2 U= .3 U= .3 U= .3 U= .3 U= .3 U= .3 U= .2	244 / / / / / / / / / / / / / / / / / /	1.9 2.0 2.0 2.2 2.4 2.6 3.0 3.1 3.1 3.1 3.1	V = V = V = V = V = V = V = V = V = V =	.242 / 11.0 .308 / 11.0 .356 / 11.0 .378 / 11.0 .369 / 11.2 .339 / 11.5 .299 / 11.9 .266 / .3 .245 / .6 .219 / .6 .120 / 12.0 .065 / 10.5 .090 / 7.7 .179 / 6.6		.000125 / .000150 / .000250 / .000250 / .000369 / .000470 / .000541 / .000471 / .000334 / .000180 / .000195 / .000591 / .000591 / .000805 /	6.1 6.5 6.6 6.6 6.8 7.0 7.1 7.3 6.8 6.5 6.8 7.0 7.1 7.3 6.5 6.5 5.5 6.5 5.5 6.5 7.0 7.1 5.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	T	.007 / 3009 / 4015 / 4023 / 4030 / 5034 / 5035 / 6042 / 7055 / 8066 / 9071 / 9062 / 10042 / 10.
AT=-72.0 AT=-66.0 AT=-66.0 LAT=-54.0 LAT=-48.0 LAT=-42.0 LAT=-36.0 LAT=-30.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-6.0 LAT=-6.0 LAT=-6.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-12.0	U= .2 U= .3 U= .3 U= .3 U= .3 U= .3 U= .3 U= .2	244 / 306 / 3141 / 329 / 339 / 315 / 329 / 329 / 333 / 333 / 333 / 334 / 349 /	1.9 2.0 2.0 2.2 2.4 2.6 3.0 3.1 3.2 3.1 3.0 2.9	V = V = V = V = V = V = V = V = V = V =	.242 / 11.0 .308 / 11.0 .356 / 11.0 .378 / 11.0 .369 / 11.2 .339 / 11.5 .299 / 11.9 .266 / .3 .245 / .6 .219 / .7 .176 / .6 .120 / 12.0 .065 / 10.5 .090 / 7.7 .179 / 6.2		.000125 / .000150 / .000250 / .000369 / .000470 / .000531 / .000541 / .000471 / .000334 / .000180 / .000195 / .000351 / .000805 / .000974 / .001053 /	6.1 6.5 6.6 6.6 6.6 77.1 7.4 6.0 4.7 5.5 5.5 5.8		.007 / 3009 / 4015 / 4023 / 4030 / 5034 / 5036 / 6042 / 7055 / 8066 / 9071 / 10020 / 11020 / 2.
LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-48.0 LAT=-48.0 LAT=-36.0 LAT=-36.0 LAT=-24.0 LAT=-18.0 LAT=-12.0 LAT=-18.0 LAT=-24.0	U= .2 U= .3	244 / 306 / 3141 / 329 / 339 / 339 / 339 / 340 / 350 / 3	1.9 2.0 2.0 2.2 2.4 2.6 3.0 3.1 3.1 3.0 3.1 3.9 2.8	V = V = V = V = V = V = V = V = V = V =	.242 / 11.0 .308 / 11.0 .356 / 11.0 .378 / 11.0 .369 / 11.2 .339 / 11.5 .299 / 11.9 .266 / .3 .245 / .7 .176 / .6 .120 / 12.0 .065 / 10.5 .090 / 7.7 .179 / 6.6 .262 / 5.9		.000125 / .000150 / .000250 / .000369 / .000531 / .000531 / .000541 / .000471 / .000334 / .000180 / .000195 / .000591 / .000974 / .001053 / .001054 /	6.1 6.5 6.6 6.6 6.7 7.1 7.4 8.0 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5	T	.007 / 3009 / 4015 / 4023 / 4030 / 5036 / 6042 / 7055 / 8066 / 9071 / 9062 / 10020 / 11020 / 11020 / 3.
AT=-72.0 AT=-66.0 AT=-66.0 LAT=-54.0 LAT=-48.0 LAT=-42.0 LAT=-36.0 LAT=-30.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-6.0 LAT=-6.0 LAT=-6.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-12.0	U= .2 U= .3 U= .3 U= .3 U= .3 U= .3 U= .2	244 / 806 / 841 / 852 / 839 / 867 / 859 / 856 / 850 / 842 / 833 / 833 / 849 / 864 / 865 /	1.9 2.0 2.0 2.2 2.4 2.6 3.1 3.2 3.1 3.1 3.0 2.9 2.8 2.7	V = V = V = V = V = V = V = V = V = V =	.242 / 11.0 .308 / 11.0 .356 / 11.0 .378 / 11.0 .369 / 11.2 .339 / 11.5 .299 / 11.9 .266 / .3 .245 / .6 .219 / .6 .120 / 12.0 .065 / 10.5 .090 / 7.7 .179 / 6.6 .264 / 6.2 .327 / 5.9 .342 / 5.6		.000125 / .000150 / .000250 / .000369 / .000470 / .000531 / .000541 / .000471 / .000334 / .000180 / .000195 / .000351 / .000805 / .000974 / .001053 /	6.1 6.5 6.6 6.6 6.7 7.3 7.4 8.0 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5	T	.007 / 3009 / 4015 / 4023 / 4030 / 5034 / 5036 / 6042 / 7055 / 8066 / 9071 / 9062 / 10020 / 11020 / 2035 / 3045 / 4.
LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-48.0 LAT=-48.0 LAT=-36.0 LAT=-36.0 LAT=-24.0 LAT=-18.0 LAT=-12.0 LAT=-18.0 LAT=-24.0	U= .2 U= .3	244 / 306 / 3141 / 329 / 339 / 339 / 339 / 340 / 350 / 3	1.9 2.0 2.0 2.2 2.4 2.6 3.1 3.2 3.1 3.0 2.9 2.7 2.6	V = V = V = V = V = V = V = V = V = V =	.242 / 11.0 .308 / 11.0 .356 / 11.0 .378 / 11.0 .369 / 11.2 .339 / 11.5 .299 / 11.9 .266 / .3 .245 / .7 .176 / .6 .120 / 12.0 .065 / 10.5 .090 / 7.7 .179 / 6.6 .262 / 5.9		.000125 / .000150 / .000250 / .000369 / .000531 / .000531 / .000541 / .000471 / .000334 / .000180 / .000195 / .000591 / .000974 / .001053 / .001054 /	6.1 6.5 6.6 6.6 6.7 7.1 7.4 8.0 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5	T	.007 / 3009 / 4015 / 4023 / 4030 / 5034 / 5036 / 6042 / 7055 / 8066 / 9071 / 9062 / 10020 / 11020 / 2035 / 3045 / 4.
AT=-72.0 AT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-42.0 LAT=-36.0 LAT=-36.0 LAT=-18.0 LAT=-12.0	U= .2 U= .3	244 / 806 / 841 / 852 / 839 / 867 / 859 / 856 / 850 / 842 / 833 / 833 / 849 / 864 / 865 /	1.9 2.0 2.0 2.2 2.4 2.6 3.1 3.2 3.1 3.1 3.0 2.9 2.8 2.7	V = V = V = V = V = V = V = V = V = V =	.242 / 11.0 .308 / 11.0 .356 / 11.0 .378 / 11.0 .369 / 11.2 .339 / 11.5 .299 / 11.9 .266 / .3 .245 / .6 .219 / .6 .120 / 12.0 .065 / 10.5 .090 / 7.7 .179 / 6.6 .264 / 6.2 .327 / 5.9 .342 / 5.6		.000125 / .000150 / .000250 / .000369 / .000470 / .000531 / .000541 / .000471 / .000180 / .000195 / .000371 / .000591 / .000591 / .000974 / .001053 / .001053 / .001053 /	6.1 6.5 6.6 6.6 6.7 7.3 7.4 8.0 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5	T	.007 / 3009 / 4015 / 4023 / 4030 / 5034 / 5036 / 6042 / 7055 / 8066 / 9071 / 9062 / 10042 / 10020 / 1020 / 1035 / 3044 / 4.
AT=-72.0 AT=-66.0 AT=-66.0 LAT=-54.0 LAT=-48.0 LAT=-36.0 LAT=-36.0 LAT=-18.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-13.0 LAT=-13.0 LAT=-13.0 LAT=-13.0 LAT=-13.0 LAT=-13.0	U= .2 U= .3 U= .3 U= .3 U= .3 U= .3 U= .3 U= .2	244 / 306 / 441 / 539 / 539 / 539 / 567 / 559 / 550 / 542 / 533 / 533 / 544 / 644 / 645 / 642 /	1.9 2.0 2.0 2.2 2.4 2.6 3.1 3.2 3.1 3.0 2.9 2.7 2.6	V = V = V = V = V = V = V = V = V = V =	.242 / 11.0 .308 / 11.0 .356 / 11.0 .378 / 11.0 .369 / 11.2 .339 / 11.5 .299 / 11.9 .266 / .3 .245 / .6 .129 / .7 .176 / .6 .120 / 12.0 .065 / 10.5 .090 / 7.7 .176 / .6 .244 / 6.2 .327 / 5.9 .342 / 5.6		.000125 / .000150 / .000250 / .000369 / .000361 / .000531 / .000531 / .000341 / .000334 / .000180 / .000195 / .000371 / .000805 / .000953 / .001044 / .001053 / .001044 / .000966 /	6.1 6.5 6.6 6.8 7.7 7.3 4.8 9.5 5.5 6.8 8.0 1.3 4.5 5.5 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6	T	.007 / 3009 / 4015 / 4023 / 4030 / 5036 / 6042 / 7055 / 8066 / 9071 / 9062 / 10020 / 11020 / 11020 / 12035 / 3045 / 4044 / 4.
LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-48.0 LAT=-48.0 LAT=-36.0 LAT=-36.0 LAT=-18.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-18.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-30.0 LAT=-30.0 LAT=-30.0 LAT=-30.0 LAT=-30.0 LAT=-30.0 LAT=-30.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0	U= .2 U= .3 U= .3 U= .3 U= .3 U= .3 U= .2	244 / 306 / 319 / 315 / 315 / 315 / 315 / 316 / 329 / 320 / 32	1.9 2.0 2.0 2.2 2.4 2.6 3.1 3.2 3.1 3.1 3.9 2.8 2.6 2.5	V = V = V = V = V = V = V = V = V = V =	.242 / 11.0 .308 / 11.0 .356 / 11.0 .378 / 11.0 .369 / 11.5 .299 / 11.9 .266 / .3 .245 / .7 .176 / .6 .120 / 12.0 .065 / 10.5 .090 / 7.7 .179 / 6.6 .264 / 6.2 .327 / 5.9 .342 / 5.6 .304 / 5.6 .229 / 5.5	. W W W W W W W W W W W W W W W W W W W	.000125 / .000150 / .000250 / .000369 / .000370 / .000531 / .000541 / .000471 / .000374 / .000195 / .000195 / .000974 / .000974 / .001044 / .000936 / .000936 / .000936 / .000936 / .000936 / .000936 / .000936 / .000936 /	6.15566.8 6.556.8 6.0134.8 6.0572.5 6.0556.5 6.0556.5 8.258.2	T	.007 / 3009 / 4015 / 4023 / 4030 / 5034 / 5036 / 6042 / 7055 / 8066 / 9071 / 9062 / 10020 / 11020 / 2035 / 3045 / 4044 / 4037 / 4028 / 4.
LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-48.0 LAT=-36.0 LAT=-36.0 LAT=-24.0 LAT=-12.0 LAT=-12.0 LAT=-6.0 LAT=-6.0 LAT=-12.0	U= .2 U= .3	244 / 306 / 307 / 308 / 309 / 30	1.9 2.0 2.2 2.4 2.6 3.1 3.1 3.1 3.9 8 2.7 6.5 5.5	V = V = V = V = V = V = V = V = V = V =	.242 / 11.0 .308 / 11.0 .356 / 11.0 .378 / 11.0 .369 / 11.2 .339 / 11.5 .299 / 11.9 .266 / .3 .245 / .6 .129 / .7 .176 / .6 .120 / .7 .176 / .6 .120 / .7 .176 / .6 .219 / .7 .176 / .6 .229 / 5.6 .304 / 5.6 .229 / 5.5 .144 / 5.6 .061 / 5.9		.000125 / .000150 / .000150 / .000250 / .000369 / .000531 / .000531 / .000541 / .000334 / .000180 / .000195 / .000371 / .000805 / .000974 / .001053 / .001044 / .000936 / .000567 / .000366 / .000567 / .000366 / .000246 /	6.15566.8 6.777.4 6.057.25825825825826	T	.007 / 3009 / 4015 / 4023 / 4030 / 5034 / 5035 / 5036 / 6042 / 7055 / 8066 / 9071 / 10020 / 1020 / 1020 / 1035 / 3045 / 4037 / 4028 / 5.
AT=-72.0 AT=-66.0 AT=-66.0 AT=-66.0 AT=-54.0 LAT=-48.0 LAT=-42.0 LAT=-36.0 LAT=-30.0 LAT=-12.0 LAT=-19.0 LAT=-19.0	U= .2 U= .3 U= .3 U= .3 U= .3 U= .3 U= .2	244 / 306 / 307 / 308 / 309 / 30	1.9 2.0 2.2 2.4 4 3.0 3.1 3.1 3.3 3.1 2.9 8.7 2.5 5.5 9.9	V = V = V = V = V = V = V = V = V = V =	.242 / 11.0 .308 / 11.0 .308 / 11.0 .356 / 11.0 .369 / 11.2 .339 / 11.5 .299 / 11.9 .266 / .3 .245 / .6 .219 / .7 .176 / .6 .120 / 12.0 .065 / 10.5 .090 / 7.7 .179 / 6.6 .242 / 5.9 .342 / 5.6 .304 / 5.6 .299 / 5.5 .144 / 5.6 .061 / 5.9 .024 / 8.6		.000125 / .000150 / .000150 / .000250 / .000369 / .000531 / .000531 / .000541 / .000334 / .000195 / .000371 / .000591 / .000591 / .000936 / .000936 / .000936 / .000936 / .000936 / .000936 / .000936 / .00039	6.1556801348057258258260	T	.007 / 3009 / 4015 / 4023 / 4030 / 5036 / 6042 / 7055 / 8066 / 9071 / 9062 / 10020 / 11020 / 11020 / 12035 / 3045 / 4044 / 4037 / 4028 / 4018 / 5.
LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-48.0 LAT=-36.0 LAT=-36.0 LAT=-24.0 LAT=-12.0 LAT=-12.0 LAT=-6.0 LAT=-6.0 LAT=-12.0	U= .2 U= .3 U= .3 U= .3 U= .3 U= .3 U= .2 U= .3	244 / 306 / 3141 / 3152 / 3155 /	1.9 2.0 2.2 2.4 6.0 1.2 2.3 3.1 3.1 3.3 3.3 3.3 2.2 2.2 2.2 2.2 2.5 5.9 9.9	V = V = V = V = V = V = V = V = V = V =	.242 / 11.0 .308 / 11.0 .356 / 11.0 .378 / 11.0 .369 / 11.2 .339 / 11.5 .299 / 11.9 .266 / .3 .245 / .6 .129 / .7 .176 / .6 .120 / .7 .176 / .6 .120 / .7 .176 / .6 .219 / .7 .176 / .6 .229 / 5.6 .304 / 5.6 .229 / 5.5 .144 / 5.6 .061 / 5.9		.000125 / .000150 / .000150 / .000250 / .000369 / .000531 / .000541 / .000471 / .000180 / .000195 / .000591 / .000591 / .000974 / .001053 / .000763 / .000763 / .000763 / .000763 / .000763 / .000136 / .000136 / .000136 / .000136 / .00014	6.1 6.556807.1348057.2582582609	T	.007 / 3009 / 4015 / 4023 / 4030 / 5036 / 6042 / 7055 / 8066 / 9071 / 9062 / 10020 / 11020 / 11020 / 12035 / 3045 / 4044 / 4037 / 4028 / 4018 / 5.

Table B4. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

25 500	V 8.8							
Z= 25.607	I/M							1
LAT=-78.0	U≖	.085 / 11.2	V۶	.079 / 8.7	W=	.000137 / 5.0	T=	.014 / 2.2
LAT=-72.0	U=	.122 / 11.4	V =	.118 / 8.8	W=	.000257 / 5.1	Te	.024 / 2.3
LAT=-66.0	Ü=	154 / 12.0	V =	.153 / 9.1	W=	.000337 / 5.1	Ť=	.030 / 2.4
LAT=-60.0	Ū=	.178 / .4	V =	.184 / 9.5	W=	.000511 / 5.0	Ť=	.045 / 2.4
LAT = -54.0	ŰΞ	.206 / .9	٧×	.221 / 10.0	W=	.000697 / 5.1	T=	.060 / 2.4
LAT=-48.0	Ü=	.248 / 1.6	٧×	.276 / 10.6	W=	.000827 / 5.2	Ť=	.069 / 2.5
LAT=-42.0	Ú=	.301 / 2.1	٧×	.344 / 11.1	W =	.000864 / 5.3	T≠	.067 / 2.6
LAT=-36.0	Ü=	.353 / 2.4	V=	.422 / 11.6	W=	.000800 / 5.4	T≠	.053 / 2.8
LAT=-30.0	Ū=	.387 / 2.8	٧×	.475 / 12.0	W≃	.000640 / 5.7	T=	.030 / 3.7
LAT=-24.0	U=	.389 / 2.9	٧×	.471 / .2	w=	.000488 / 6.4	T =	.022 / 6.3
LAT=-18.0	U=	.363 / 3.0	V≖	.392 / .5	W=	.000461 / 6.9	T=	.039 / 7.5
LAT=-12.0	U=	.327 / 3.1	V٤	.260 / .9	W=	.000548 / 6.7	T =	.039 / 8.0
LAT= -6.0	U=	.290 / 3.2	V =	.104 / 2.2	w=	.000775 / 6.2	T=	.017 / 8.8
LAT= 0.0	U=	.267 / 3.2	v =	.140 / 5.5	W=	.001182 / 5.7	T =	.032 / 1.6
LAT= 6.0	U=	.259 / 3.1	V =	.263 / 6.3	W=	.001614 / 5.6	T =	.084 / 2.0
LAT= 12.0	Ű=	.252 / 3.2	٧×	.327 / 6.6	W=	.001875 / 5.5	T=	.124 / 2.3
LAT= 18.0	Ü=	.234 / 3.2	٧×	.329 / 6.7	w=	.001864 / 5.5	T=	.139 / 2.5
LAT= 24.0	U=	.203 / 3.1	V=	.274 / 6.8	W=	.001588 / 5.7	T =	.129 / 2.7
LAT = 30.0	Ü≌	.162 / 2.8	V=	.194 / 6.5	W=	.001129 / 6.0	T =	.100 / 3.3
LAT = 36.0	ŪΞ	.139 / 2.1	ν±	.142 / 5.4	W=	.000693 / 6.8	T=	.073 / 4.0
LAT= 42.0	U=	.152 / 1.3	v=	.161 / 4.4	₩=	.000503 / 8.1	T=	.058 / 5.1
LAT= 48.0	Ū=	.183 / .9	V=	.199 / 4.0	₩≈	.000522 / 9.2	T=	.054 / 5.9
LAT= 54.0	Ū=	.210 / .8	٧×	.226 / 3.8	W=	.000523 / 9.8	T =	.047 / 6.5
LAT= 60.0	Ū=	.213 / .9	v =	.228 / 3.9	₩≖	.000456 / 10.3	T≠	.037 / 7.0
LAT = 66.0	υ≖	.203 / .7	V =	.205 / 3.9	W=	.000346 / 9.6	T*	.030 / 6.3
LAT= 72.0	Ü=	.168 / 1.2	v=	.164 / 4.0	W=	.000243 / 10.8	T=	.019 / 7.8
LAT= 78.0	Ŭ≖	.121 / 1.4	٧×	.114 / 4.0	W=	.000159 / 12.0	Ť=	.015 / 9.2
			•	•		•		
Z= 30.985	KM							
1								
LAT=-78.0	U≖	.240 / 8.3	V≖	.203 / 5.2	W=	.000105 / .7	T=	.007 / 10.6
LAT=-72.0	U≂	.307 / 8.3	V =	.276 / 5.3	W =	.000167 / 1.0	T=	.012 / 10.9
LAT=-66.0	U≠	.286 / 8.4	V =	.294 / 5.4	₩≈	.000216 / 1.4	T =	.016 / 11.0
LAT=-60.0	U=	.233 / 8.4	V =	.248 / 5.3	W=	.000368 / 1.6	T.	.027 / 11.2
LAT=-54.0	U=	.112 / 8.6	V =	.127 / 5.5	W =	.000496 / 1.8	T =	.036 / 11.6
LAT=-48.0	U=	.063 / 2.0	V =	.067 / 11.1	W =	.000637 / 2.1	T=	.049 / 11.8
LAT=-42.0	U=	.230 / 2.4	V =	.280 / 11.3	W=	.000704 / 2.5	T =	.059 / .3
LAT=-36.0	U =	.377 / 2.5	V =	.491 / 11.4	W =	.000749 / 3.3	T =	.070 / 1.0
LAT=-30.0	U=	.455 / 2.6	V×	.624 / 11.6	W =	.000907 / 4.3	T =	.091 / 1.8
LAT=-24.0	U=	.449 / 2.6	V =	.619 / 11.7	W =	.001333 / 5.2	T =	.125 / 2.3
LAT=-18.0	U=	.386 / 2.8	V =	.468 / 12.0	W=	.001946 / 5.7	Ť =	.168 / 2.8
LAT=-12.0	U =	.317 / 3.1	V×	.253 / .8	W =	.002496 / 6.0	T≠	.210 / 3.0
LAT= -6.0	U =	.252 / 3.2	۷≖	.192 / 3 .6	W =	.002903 / 6.2	7 =	.241 / 3.1
LAT= 0.0	U≠	.222 / 3.3	V =	.368 / 4.9	W =	.002976 / 6.3	T=	.256 / 3.2
LAT= 6.0	U =	.214 / 3.2	V =	.453 / 5.5	W =	.002705 / 6.2	T =	.252 / 3.0
LAT= 12.0	U=	.198 / 3.4	٧×	.414 / 6.1	W =	.002214 / 6.1	Ť =	.234 / 2.8
LAT= 18.0	U≈	.159 / 3.8	V×	.328 / 6 .9	W =	.001705 / 5.8	T =	.210 / 2.7
LAT= 24.0	U =	.106 / 4.6	V =	.266 / 8.3	W=	.001298 / 5.2	T =	.181 / 2.5
LAT= 30.0	U=	.070 / 6.4	V =	.238 / 9.5	₩=	.001074 / 4.7	₹ =	.150 / 2.5
LAT= 36.0	U=	.064 / B.8	V =	.169 / 10.6	₩=	.000936 / 4.4	T =	.117 / 2.4
LAT= 42.0	U=	.127 / 11.0	V =	.121 / 1.2	W =	.000777 / 4.3	T≠	.087 / 2.4
LAT= 48.0	U =	.244 / 11.9	V =	.251 / 2.8	W =	.000597 / 4.4	T=	.060 / 2.5
LAT= 54.0	U =	.387 / .4	V =	.419 / 3.4	W=	.000409 / 4.6	T≠	.036 / 2.6
LAT= 60.0	U =	.492 / .7	V =	.525 / 3.7	M =	.000223 / 4.6	T =	.018 / 2.7
LAT= 66.0	Ų=	.538 / .7	V =	.544 / 3.8	W =	.000252 / 6.3	T =	.028 / 3.7
LAT= 72.0	U=	.490 / 1.0	V =	.480 / 3.9	W=	.000074 / 4.2	T=	.004 / .2
LAT= 78.0	U=	.359 / 1.2	V =	354 / 3.9	W=	.000129 / 1.8	T=	.015 / 10.5
•		•		•				

Table B4. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From $78^{\rm O}{\rm S}$ to $78^{\rm O}{\rm N}$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

							_	
Z= 36.378	KM							
1								
LAT=-78.0	U=	.154 / 3.4	V =	.149 / .2	W =	.000438 / 11.7	T =	.040 / 8.6
LAT=-72.0	U=	.233 / 3.3	V =	.224 / .3	₩≖	.000722 / 11.7	T=	.065 / 8.6
LAT:-66.0	U=	.305 / 3.2	V =	.292 / .3	W=	.000829 / 11.8	Ť≢	-072 / 8. 7
LAT=-60.0	U=	.348 / 3.3	٧=	.343 / .3	W=	.001230 / 12.0	T≠	.100 / 8.9
LAT=-54.0	U =	.352 / 3.3	V =	.362 / .3	M =	.001523 / .1	T =	.109 / 9.1
LAT=-48.0	U=	.336 / 3.3	V =	.343 / .2	W=	.001697 / .4	T =	.105 / 9.5
LAT=-42.0	U≠	.290 / 3.3	V =	.289 / .1	W=	.001534 / .8	T =	.078 / 10.7
LAT=-36.0	U≖	.219 / 3.3	V =	.206 / .1	W=	.001153 / 1.8	T =	.110 / .9
LAT=-30.0	U≖	.150 / 3.3	V =	.111 / 12.0	W=	.001394 / 3.9	T =	.240 / 1.9
LAT=-24.0	U =	.095 / 3.3	V =	.035 / 11.0	W=	.002710 / 5.0	T=	408 / 2.3
LAT=-18.0	U =	.064 / 3.2	V ≈	.029 / 7 .7	W =	.004288 / 5.4	T≖	.568 / 2.6
LAT=-12.0	U=	.048 / 3.2	V =	.046 / 6.7	W=	.005400 / 5.7	Tπ	.679 / 2.7
LAT= -6.0	U=	.043 / 3.4	V =	.045 / 6.1	W=	.005956 / 6.0	T=	.726 / 2.9
LAT= 0.0	U=	.038 / 3.7	V =	.049 / 5.2	W=	.005597 / 6.3	T =	.691 / 3.1
LAT = 6.0	U≖	.027 / 4.3	V =	.070 / 5.0	W=	.004458 / 6.5	T=	.587 / 3.2
LAT= 12.0	U=	.020 / 5.6	V ≠	.093 / 5.3	W=	.002905 / 6.B	T =	.447 / 3.3
LAT= 18.0	U≖	.025 / 7.2	V≠	.100 / 5.6	w=	.001425 / 6.9	T=	.315 / 3.3
LAT= 24.0	U=	.039 / 8.1	V≠	.086 / 6.2	W=	.000384 / 4.5	T=	.217 / 2.7
LAT= 30.0	U≖	.068 / 8.5	V =	.049 / 7.9	W=	.001314 / 3.0	T =	.205 / 1.8
LAT= 36.0	Ų≖	.115 / 8.6	V =	.092 / 10.6	W=	.002131 / 3.2	T=	.234 / 1.3
LAT = 42.0	U=	.184 / 8.8	V=	.191 / 11.4	₩≈	.002556 / 3.4	T=	.246 / 1.2
LAT= 48.0	Ų≖	.249 / 8.9	٧×	.280 / 11.7	W=	.002592 / 3.7	T=	.230 / 1.1
LAT= 54.0	Ú=	.302 / 9.0	V=	.344 / 11.9	W=	.002266 / 3.9	Ť=	.186 / 1.2
LAT= 60.0	Ú=	.331 / 9.1	٧×	.362 / .1	W=	.001695 / 4.1	Ť=	.131 / 1.3
LAT= 66.0	U=	.369 / 9.4	V=	.328 / .1	₩≃	.001176 / 4.4	T=	.089 / 1.8
LAT= 72.0	Ü=	.239 / 9.1	٧×	.271 / .2	W=	.000773 / 4.2	T =	.054 / 1.1
LAT= 78.0	U=	.143 / 8.9	V≖	.218 / .4	₩≠	.000295 / 3.6	Ť=	.026 / 11.7
1			•	· · · · ·	•	, , ,		1020 / 11,7
Z= 41.789	KM							ĺ
LAT=-78.0	U=	.637 / 2.7	W -	ECE / 11 E		000050 / 11 0	. .	000 / 00
	-		V =	.565 / 11.5	W =	.000250 / 11.9	T =	.026 / 8.9
LAT=-72.0	U=	, - ,	V =	.798 / 11.6	W =	.000281 / .6	ĭ =	.025 / 9.6
LAT=-66.0	U= U=	.946 / 2.7	٧±	.934 / 11.7	W=	.000319 / 2.3	T=	.029 / .3
LAT=-60.0	υ=	.925 / 2.9 .739 / 3.1	V =	.946 / 11.9	W =	.000511 / 2.1	Ţ.	.050 / .7
LAT =-54.0	_	,	V =	.798 / .1	W =	.000723 / 2.5	T =	.100 / 1.5
LAT=-48.0	U =	.470 / 3.6	V =	.507 / .6	W =	.001025 / 2.7	T =	.177 / 1.7
LAT=-42.0	U= U=	.267 / 5.4	V =	.261 / 2.5	W=	.001312 / 3.2	T =	.291 / 2.0
LAT = -36.0		.422 / 7.5	V =	.539 / 4.7	W =	.001716 / 3.9	T=	.444 / 2.2
LAT=-30.0	U=	.632 / 8.1	V =	.892 / 5.2	W =	.002337 / 4.5	T =	.621 / 2.4
LAT=-24.0	U= U=	.709 / 8.4	V =	1.047 / 5.6	W=	.003328 / 5.1	T =	.811 / 2.5
LAT=-18.0	U=	.652 / 8.7	V =	.923 / 5.9	₩=	.004608 / 5.6	Īz	.990 / 2.7
LAT=-12.0		.548 / 8.9	V =	.626 / 6.5	W=	.005804 / 5.9	T =	1.126 / 2.8
LAT = -6.0	U=	.426 / 9.1	V =	.342 / 8.4	W=	.006734 / 6.1	T =	1.211 / 3.0
LAT= 0.0	U =	.361 / 9.2	V =	.509 / 10.6	W=	.006930 / 6.3	Ţ×	1.213 / 3.1
LAT= 6.0	U=	.360 / 9.1	V =	.676 / 11.3	W =	.006171 / 6.4	T =	1.123 / 3.1
LAT= 12.0	U= U=	.370 / 9.1	V =	.637 / .1	W =	.004558 / 6.4	T =	.951 / 3.1
1		.346 / 9.3	V =	.543 / .9 .471 / 2 .1	W =	.002643 / 6.1	T =	.743 / 2.9
LAT = 18.0		000 / 0 -			w=	.001060 / 4.4	T≖	.535 / 2.5
LAT= 24.0	U=	.293 / 9.6	V =					
LAT= 24.0 LAT= 30.0	U= U=	.224 / 9.9	V =	.414 / 3.0	W=	.001823 / 2.3	T =	.387 / 2.0
LAT= 24.0 LAT= 30.0 LAT= 36.0	U= U= U=	.224 / 9.9 .188 / 9.1	V = V =	.414 / 3.0 .199 / 2.9	₩ = ₩ =	.001823 / 2.3 .002712 / 2.0	Τ=	.315 / 1.3
LAT= 24.0 LAT= 30.0 LAT= 36.0 LAT= 42.0	U= U= U=	.224 / 9.9 .188 / 9.1 .360 / 7.8	V = V = V =	.414 / 3.0 .199 / 2.9 .255 / 10.8	₩ = ₩ =	.001823 / 2.3 .002712 / 2.0 .002936 / 2.0	T= T=	.315 / 1.3 .272 / .8
LAT= 24.0 LAT= 30.0 LAT= 36.0 LAT= 42.0 LAT= 48.0	U= U= U= U=	.224 / 9.9 .188 / 9.1 .360 / 7.8 .673 / 7.5	V = V = V =	.414 / 3.0 .199 / 2.9 .255 / 10.8 .700 / 10.4	₩ = ₩ = ₩ =	.001823 / 2.3 .002712 / 2.0 .002936 / 2.0 .002697 / 2.1	T= T= T=	.315 / 1.3 .272 / .8 .227 / .5
LAT= 24.0 LAT= 30.0 LAT= 36.0 LAT= 42.0 LAT= 48.0 LAT= 54.0	U= U= U= U= U=	.224 / 9.9 .188 / 9.1 .360 / 7.8 .673 / 7.5 1.036 / 7.5	V = V = V = V =	.414 / 3.0 .199 / 2.9 .255 / 10.8 .700 / 10.4 1.147 / 10.4	W = W = W = W =	.001823 / 2.3 .002712 / 2.0 .002936 / 2.0 .002697 / 2.1 .002097 / 2.3	T= T= T=	.315 / 1.3 .272 / .8 .227 / .5 .168 / .3
LAT= 24.0 LAT= 30.0 LAT= 36.0 LAT= 42.0 LAT= 48.0 LAT= 54.0 LAT= 60.0	U= U= U= U= U= U=	.224 / 9.9 .188 / 9.1 .360 / 7.8 .673 / 7.5 1.036 / 7.5 1.315 / 7.5	V = V = V = V = V =	.414 / 3.0 .199 / 2.9 .255 / 10.8 .700 / 10.4 1.147 / 10.4 1.421 / 10.5	M= M= M= M=	.001823 / 2.3 .002712 / 2.0 .002936 / 2.0 .002697 / 2.1 .002097 / 2.3 .001402 / 2.5	T= T= T= T=	.315 / 1.3 .272 / .8 .227 / .5 .168 / .3 .107 / .3
LAT= 24.0 LAT= 30.0 LAT= 36.0 LAT= 42.0 LAT= 48.0 LAT= 54.0 LAT= 60.0 LAT= 66.0	U= U= U= U= U= U= U=	.224 / 9.9 .188 / 9.1 .360 / 7.8 .673 / 7.5 1.036 / 7.5 1.315 / 7.5 1.419 / 7.6	V = V = V = V = V = V = V = V = V = V =	.414 / 3.0 .199 / 2.9 .255 / 10.8 .700 / 10.4 1.147 / 10.4 1.421 / 10.5 1.460 / 10.5	W = W = W = W =	.001823 / 2.3 .002712 / 2.0 .002936 / 2.0 .002697 / 2.1 .002097 / 2.3	T= T= T=	.315 / 1.3 .272 / .8 .227 / .5 .168 / .3
LAT = 24.0 LAT = 30.0 LAT = 36.0 LAT = 42.0 LAT = 48.0 LAT = 54.0 LAT = 60.0 LAT = 66.0 LAT = 72.0	U= U= U= U= U= U= U= U=	.224 / 9.9 .188 / 9.1 .360 / 7.8 .673 / 7.5 1.036 / 7.5 1.419 / 7.6 1.284 / 7.4	\	.414 / 3.0 .199 / 2.9 .255 / 10.8 .700 / 10.4 1.147 / 10.4 1.421 / 10.5 1.460 / 10.5 1.282 / 10.5	## W# ## ## ## ## ## ## ## ## ## ## ## #	.001823 / 2.3 .002712 / 2.0 .002936 / 2.0 .002697 / 2.1 .002097 / 2.3 .001402 / 2.5 .000892 / 2.8 .000552 / 3.1	T= T= T= T= T= T=	.315 / 1.3 .272 / .8 .227 / .5 .168 / .3 .107 / .3
LAT= 24.0 LAT= 30.0 LAT= 36.0 LAT= 42.0 LAT= 48.0 LAT= 54.0 LAT= 60.0 LAT= 66.0	U= U= U= U= U= U= U=	.224 / 9.9 .188 / 9.1 .360 / 7.8 .673 / 7.5 1.036 / 7.5 1.315 / 7.5 1.419 / 7.6	V = V = V = V = V = V = V = V = V = V =	.414 / 3.0 .199 / 2.9 .255 / 10.8 .700 / 10.4 1.147 / 10.4 1.421 / 10.5 1.460 / 10.5	M= M= M= M= M=	.001823 / 2.3 .002712 / 2.0 .002936 / 2.0 .002697 / 2.1 .002097 / 2.3 .001402 / 2.5 .000892 / 2.8	T= T= T= T= T=	.315 / 1.3 .272 / .8 .227 / .5 .168 / .3 .107 / .3 .058 / .7

Table B4. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

C

Z= 47.224	KM							
LAT=-78.0	U=	.344 / 5.5	V=	.311 / 2.9	W =	.000477 / 5.4	T=	.029 / 2.3
LAT=-72.0	U=	.511 / 5.7	V=	484 / 2.9	W=	.001075 / 5.2	T.	.080 / 2.1
LAT=-66.0	U=	.678 / 6.2	V=	.654 / 3.1	₩=	.001686 / 5.1	T=	.143 / 2.1
LAT=-60.0	Ü≈	.818 / 6.4	V=	.809 / 3.4	W=	.002238 / 5.1	Ť=	.206 / 2.2
LAT=-54.0	Ü=	.944 / 6.8	٧×	.949 / 3.6	W=	.002965 / 5.1	T=	.309 / 2.2
LAT=-48.0	Ū=	1.058 / 7.3	V =	1.076 / 4.2	W=	.003486 / 5.2	T=	.418 / 2.3
LAT=-42.0	U≖	1.188 / 7.7	٧z	1.227 / 4.7	W =	.003683 / 5.3	1=	.537 / 2.4
LAT=-36.0	U≖	1.325 / 8.1	V =	1.394 / 5.2	₩ =	.003533 / 5.4	T=	.664 / 2.5
LAT=-30.0	U≃	1.427 / 8.5	V =	1.553 / 5 .6	W=	.003049 / 15.6	T =	.787 / 2.6
LAT=-24.0	U =	1.453 / 8.7	V =	1.607 / 6.1	W =	.002616 / 6.1	T =	.915 / 2.7
LAT=-18.0	Ų≖	1.385 / 8.9	V =	1.479 / 6.4	W=	.002708 / 6.5	T =	1.054 / 2.9
LAT=-12.0	U≠	1.268 / 9.0	V =	1.159 / 6.8	W =	.003367 / 6.6	1 =	1.200 / 3.0
LAT= -6.0	U≠	1.118 / 9.1	٧×	.676 / 7.4	M =	.004483 / 6.4	T =	1.341 / 3.0
LAT= 0.0	U=	1.001 / 9.1	V =	.289 / 9.7	W =	.005782 / 6.2	T=	1.454 / 3.0
LAT= 6.0	U=	.941 / 9.1	V=	.620 / .1	W=	.006578 / 5.9	T=	1.502 / 2.9
LAT= 12.0	U =	.924 / 9.1	٧×	1.004 / .6	M=	.006200 / 5.7	1-	1.446 / 2.8
LAT= 18.0	U=	.914 / 9.1	V=	1.207 / .7	₩∓	.004652 / 5.4	T=	1.200 / 2.7
LAT= 24.0	U≖ U≖	.903 / 9.0 .875 / 8.9	V= V=	1.212 / .7 1.070 / .5	W=	.002266 / 4.5 .001927 / 1.4	T=	1.012 / 2.6
LAT = 30.0 LAT = 36.0	U=	.875 / 8.9 .865 / 8.4	V=	1.070 / .5	W=	.001927 / 1.4	Te	.692 / 2.5 .390 / 2.2
LAT= 42.0	U=	.940 / 7.9	V=	.955 / 11.0	W=	.004918 / 12.0	i-	.167 / 1.6
LAT= 48.0	υ= -	1.055 / 7.5	v=	1.107 / 10.4	W=	.004975 / 11.9	T=	.067 / 11.4
LAT = 54.0	U=	1.184 / 7.1	V=	1.256 / 10.1	W=	.004102 / 11.8	Te	.086 / 9.6
LAT= 60.0	Ŭ=	1.236 / 6.9	V =	1.294 / 9.9	W=	.002869 / 11.7	Ť=	.085 / 9.0
LAT = 66.0	Ū=	1.156 / 6.9	V =	1.194 / 9.8	W=	.001947 / 11.8	T=	.061 / 8.8
LAT = 72.0	Ŭ=	1.012 / 6.6	v=	.977 / 9.7	W=	.000967 / 11.5	T=	.045 / 8.8
LAT= 78.0	Ü×	.741 / 6.5	V=	.684 / 9.8	W =	.000160 / 9.8	T=	.017 / 9.5
Z= 52.691	KM							
LAT=-78.0	U=	.887 / 7.7	V×	.885 / 4.7	W=	.000978 / 5.9	T=	.043 / 3.1
LAT=-72.0	U=	1,329 / 7.7	V=	1.307 / 4.6	W=	.001627 / 5.8	T=	.069 / 3.0
LAT=-66.0	U=	1.721 / 7.7	V=	1,690 / 4.7	W=	.002101 / 5.8	7=	.085 / 3.0
LAT=-60.0	ܱ	1.950 / 7.8	V.	1.994 / 4.7	W=	.003014 / 6.1	T=	.114 / 3.3
LAT=-54.0	U=	2,110 / 7.8	V =	2.191 / 4.8	W=	.004119 / 6.2	T=	.166 / 3.3
LAT=-48.0	Ü≈	2.119 / 8.0	٧×	2.248 / 5.0	W =	.004971 / 6.5	T=	.206 / 3.4
LAT=-42.0	U=	2.060 / 8.2	٧×	2.189 / 5.2	W=	.005362 / 6.7	T=	.260 / 3.5
LAT=-36.0	U≠	1.974 / 8.4	V =	2.043 / 5.4	W=	.005232 / 7.0	7 =	.333 / 3.5
LAT=-30.0	U≖	1.906 / 8.7	V =	1.900 / 5.8	W =	.004556 / 7.5	T =	.429 / 3.5
LAT=-24.0	U =	1.893 / 8.9	V =	1.813 / 6.2	W =	.003650 / 8.1	T=	.563 / 3.3
LAT=-18.0	Ų=	1.892 / 9.0	V =	1.727 / 6.5	W =	.002669 / B.5	T =	.735 / 3.2
LAT=-12.0	U=	1.848 / 9.1	V =	1.524 / 6.6	% =	.001573 / 8.0	T =	.913 / 3.1
LAT= -6.0	U=	1.751 / 9.1	V =	1.148 / 6.6	W =	.002131 / 5.7	T =	1.092 / 2.9
LAT= 0.0	U=	1.610 / 9.1	V =	.569 / 6.2	W =	.004717 / 5.1	T =	1.240 / 2.8
LAT = 6.0	U=	1.489 / 9.0	V =	.299 / 2.1	W =	.006723 / 5.1	Ţ=	1.330 / 2.7
LAT= 12.0	U =	1.454 / 9.0	V =	1.023 / 1.0	W=	.006712 / 5.0	1=	1.328 / 2.7
LAT= 18.0	U=	1.494 / 8.9	V =	1.641 / .6	W =	.004662 / 4.9	T =	1.214 / 2.7
LAT = 24.0 LAT = 30.0	υ= υ=	1.593 / 8.8 1.665 / 8.7	V ≠	2.075 / .3 2.206 / 12.0	W =	.001147 / 3.4 .003671 / 11.7	T = T =	.991 / 2.7 .692 / 2.8
LAT= 30.0	U=	1.621 / 8.4	V=	2.042 / 11.7	W =	.006736 / 11.4	T=	.390 / 2.9
LAT= 36.0	U=	1.443 / 8.1	V = V =	1.681 / 11.2	W=	.007905 / 11.3	T=	.160 / 3.4
LAT= 48.0	U=	1.186 / 7.6	V = V =	1.292 / 10.6	W-	.007515 / 11.2	T=	.058 / 5.9
LAT= 54.0	U=	.943 / 6.8	V = V=	.981 / 9.7	W=	.005818 / 11.1	T=	.092 / 7.6
LAT= 60.0	U=	.805 / 5.8	V=	.826 / 8.9	W=	.003804 / 11.0	T=	.094 / 7.7
LAT= 66.0	U=	.692 / 5.3	V=	.761 / 8.1	W=	.002517 / 11.5	Ť=	.075 / 8.5
LAT= 72.0	U=	.713 / 4.7	V.	.647 / 7.7	W=	.001276 / 10.5	T=	.052 / 7.9
LAT= 78.0	Ü=	.565 / 4.5	٧×	.433 / 7.5	W=	.000710 / 8.9	Ť=	.023 / 7.2
,	_	•	-	- •		•		

Table B4. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 58.200	KM								
LAT=-78.0	U=	1.063 / 8.5	۷≥	1.007 / 5.3	W=	.001235 / 6.5	T=	.041 /	3.
LAT=-72.0	U=	1.563 / 8.5	V =	1.499 / 5.4	W=	.001791 / 6.7	Ť=	.055 /	4.
LAT=-66.0	U =	1.972 / 8.5	٧×	1.943 / 5.5	W=	.002143 / 7.0	T=	.062 /	4.
LAT=-60.0	U=	2.227 / 8.5	V=	2.297 / 5.4	W=	.003550 / 7.2	T=	.112 /	5.
LAT=-54.0	U=	2.404 / 8.6	V =	2.517 / 5.5	W=	.005251 / 7.4	T=	.186 /	5.
LAT=-48.0	U=	2.386 / 8.6	٧×	2.567 / 5.5	W=	.006996 / 7.6	T=	.264 /	5.
LAT=-42.0	U=	2.294 / 8.6	V≖	2.472 / 5.6	M=	.008354 / 7.8	T=	.345 /	4.
LAT=-36.0	U=	2.172 / 8.7	V≃	2.262 / 5.7	W=	.009232 / 8.0	T =	.428 /	4.
LAT=-30.0	U=	2.094 / 8.8	٧×	2.047 / 5.8	₩=	.009098 / 8.4	T=	.494 /	4.
LAT=-24.0	U=	2.123 / 8.9	V =	1.925 / 6.0	M=	.007705 / 8.7	T=	.558 /	4.
LAT=-18.0	U=	2.208 / 8.9	V×	1.906 / 6.1	W=	.005010 / 9.0	T =	.655 /	3.
LAT=-12.0	U=	2.240 / 9.0	٧×	1.830 / 6.1	₩=	.001482 / 9.0	T=	.803 /	3.
LAT= -6.0	U=	2.192 / 9.0	V =	1.627 / 5.9	W=	.002839 / 3.8	T=	987 /	2.
LAT= 0.0	U=	2.041 / 9.0	V=	1.105 / 5.6	W=	.006624 / 3.9	1=	1.148 /	2.
LAT= 6.0	U=	1.893 / 8.9	Vع	.313 / 4.0	W±	.008421 / 3.9	T=	1.221 /	2.
LAT= 12.0	U=	1.870 / 8.9	V *	1.020 / .5	W=	.007198 / 3.9	T=	1.168 /	2.
LAT= 18.0	U=	1.948 / 8.8	V =	1.997 / .1	W =	.003832 / 3.6	T=	1.006 /	2.
LAT= 24.0	U≖	2.096 / 8.8	V=	2.739 / 11.9	W=	.002501 / 11.8	T⇒	.754 /	2.
LAT= 30.0	U=	2.148 / 8.7	V =	2.936 / 11.9	W=	.006992 / 10.9	T =	.481 /	3.
LAT= 36.0	U=	1.953 / 8.5	V =	2.578 / 11.6	M=	.009672 / 10.7	T=	-270 /	3.
LAT= 42.0	U=	1.501 / 8.3	V =	1.854 / 11.4	M=	.009820 / 10.6	T=	.184 /	5.
LAT= 48.0	U≖	.957 / 7.8	V =	1.093 / 10.9	W=	.008359 / 10.5	T =	.169 /	6.
LAT= 54.0	U×	.493 / 6.4	V =	.504 / 9.5	W=	.005722 / 10.4	T=	.145 /	6.
LAT= 60.0	U=	.530 / 4.3	V=	.550 / 7.4	M=	.003413 / 10.0	T=	.112 /	6.
LAT= 66.0	U≖	.665 / 3.7	V =	.705 / 6.7	W=	.001866 / 11.5	1=	.075 /	8.
LAT= 72.0	U=	.749 / 3.3	V =	.675 / 6.3	W =	.001208 / 9.0	T=	.048 /	6.
LAT= 78.0	U=	.600 / 3.2	V=	.501 / 6.1	W=	.001461 / 8.1	T=	.049 /	5.
2≂ 63.765	KM								
LAT=-78.0	U=	1.196 / 9.4	V =	1.057 / 6.2	W =	.001366 / 7.2	T =	.048 /	4.
LAT=-72.0	U=	1.726 / 9.4	V≖	1.614 / 6.3	W=	.002101 / 7.6	T =	.065 /	5.
LAT=-66.0	U≖	2.113 / 9.4	V =	2.117 / 6.4	W=	.002823 / 8.1	T=	.093 /	6.
LAT=-60.0	Ų=	2.436 / 9.5	V =	2.528 / 6.5	W=	.004836 / 8.1	T=	.172 /	5.
LAT=-54.0	U=	2.667 / 9.5	V≖	2.794 / 6.5	W=	.007398 / 8.2	T =	.297 /	5.
LAT=-48.0	U=	2.661 / 9.5	V≖	2.862 / 6.5	W =	.010260 / 8.4	T =	.447 /	5.
LAT=-42.0	U=	2.558 / 9.4	V=	2.753 / 6.5	W =	.012821 / 8.5	T=	.599 /	5.
LAT=-36.0	U≖	2.406 / 9.3	V=	2.499 / 6.3	W=	.014745 / 8.6	T=	.742 /	5.
LAT=-30.0	U≃	2.314 / 9.1	V =	2.264 / 6.0	W =	.015047 / 8.7	T =	.822 /	4.
LAT=-24.0	U=	2.364 / 8.9	V=	2.202 / 5.6	W=	.012988 / 8.7	T=	.826 /	4.
LAT=-18.0	U=	2.492 / 8.8	V=	2.312 / 5.3	W=	.008387 / 8.6	T =	.817 /	3.
LAT=-12.0	Ų=	2.558 / 8.8	V =	2.326 / 5.2	W=	.002604 / 7.9	T =	.893 /	3.
LAT= -6.0	U=	2,530 / 8.8	V =	2.116 / 5.2	W=	.004988 / 3.6	T =	1.076 /	2.
LAT= 0.0	Ü≠	2.382 / 8.8	V=	1.428 / 5.2	W=	.010314 / 3.4	Τ=	1.247 /	2.
AT= 6.0	U=	2.237 / 8.8	V=	.249 / 4.6	W=	.012287 / 3.1	T=	1.282 /	2.
AT= 12.0	Ü=	2.232 / 8.7	V =	1.238 / 11.6	w =	.010274 / 2.8	T=	1.139 /	2.
AT= 18.0	Ū=	2.321 / 8.7	v=	2.467 / 11.6	W =	.006465 / 1.9	T =	.884 /	2.
AT= 24.0	Ű≠	2.452 / 8.7	V=	3.311 / 11.6	w=	.006004 / 11.6	Ť≖	582 /	2.
AT= 30.0	Ű=	2.418 / 8.7	V =	3.415 / 11.7	W =	.009833 / 10.5	T=	.402 /	3.
LAT= 36.0	ŭ=	2.057 / 8.8	V=	2.819 / 11.7	W =	.011966 / 10.0	T=	.397 /	5.
LAT= 42.0	U≖	1.410 / 8.9	V=	1.830 / 11.8	w=	.011452 / 9.6	7=	.411 /	5.
LAT= 48.0	U≉	.700 / 9.2	V =	.871 / .2	W =	.009402 / 9.3	T.	.371 /	5.
LAT= 54.0	U≠	.302 / 12.0	V=	.347 / 2.8	W =	.006432 / 8.8	T=	.275 /	5.
LAT= 60.0	U=	.645 / 1.5	V=	.658 / 4.4	w=	.004616 / 8.3	T=	.212 /	5.
LAT= 66.0	U=	.795 / 1.8	V=	.799 / 4.6	₩- ₩=	.000745 / .2	T.	.068 /	8.
LAT= 72.0	U=	.787 / 1.6	٧×	.721 / 4.6	W=	.002100 / 7.4	T=	.087 /	5.
	U=	.607 / 1.5	V=		W=	.002778 / 7.4	Te		
LAT= 78.0				.529 / 4.5				.122 /	4.

Table B4. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 69.403	KM								
	ti=	1.854 / 10.4	V=	1.627 / 7.5	W=	004400 /	7.9	T=	.050 / 4.8
LAT = 78.0	U=	2.646 / 10.5	V =	2.491 / 7.5	M=	.001409 /	8.5	T=	
LAT=-72.0	-		-		•••	.002720 /			
LAT=-66.0	U=	3.172 / 10.6	٧×	3.236 / 7.6	W=	.004423 /	9.0	1=	-162 / 6.8
LAT=-60.0	U=	3.668 / 10.6	٧×	3.807 / 7.6	W =	.006959 /	8.9	Ţ=	.275 / 6.3
LAT=-54.0	Ú=	3.941 / 10.6	V =	4.123 / 7.6	M =	.010439 /	8.9	T=	.478 / 6.0
LAT=-48.0	U=	3.853 / 10.5	V =	4.097 / 7.5	M=	.014269 /	8.9	T*	737 / 5.8
LAT=-42.0	U=	3.555 / 10.4	V =	3.736 / 7.4	W=	.017663 /	8.9	T =	1.001 / 5.7
LAT=-36.0	U=	3.145 / 10.1	V≥	3.167 / 6 .9	W=	.020251 /	8.9	T =	1.247 / 5.5
LAT=-30.0	U=	2.858 / 9.6	V =	2.781 / 6.2	W=	.020875 /	8.8	T =	1.386 / 5.2
LAT=-24.0	U =	2.858 / 9.1	V =	2.977 / 5.4	W=	.018643 /	8.5	T =	1.373 / 4.8
LAT=-18.0	Ų=	3.004 / 8.8	V =	3.438 / 4.9	₩≈	.013283 /	8.2	T =	1.268 / 4.1
LAT=-12.0	U=	3.065 / 8.6	٧±	3.517 / 4.6	₩≠	.006506 /	7.2	T=	1.228 / 3.3
LAT= -6.0	Ü=	2.980 / 8.6	V=	2.985 / 4.5	W=	.006440 /	4.0	T=	1.341 / 2.5
LAT= 0.0	Ū=	2.783 / 8.6	v=	1.677 / 4.3	W=	.013461 /	3.0	T=	1.495 / 1.9
LAT= 6.0	Ü×	2.638 / 8.5	V=	.358 / .6	W=	.017656 /	2.5	T=	1.485 / 1.4
	ü≠	2.653 / 8.4	V =	2.087 / 11.1	W=	.017216 /	2.0	T=	1.243 / 1.3
LAT= 12.0	-		-						
LAT= 18.0	U≉	2.709 / 8.4	V =	3.356 / 11.1	W=	.013220 /	1.4	T =	.864 / 1.5
LAT= 24.0	U=	2.737 / 8.4	V =	3.915 / 11.1	W =	.009166 /		T=	.472 / 2.4
LAT= 30.0	U=	2.530 / 8.6	V =	3.572 / 11.3	W =	.010573 / 1		T =	.529 / 4.3
LAT= 36.0	U=	2.076 / 9.0	V =	2.678 / 11.6	W =	.014143 /	9.0	T≖	.775 / 4.9
LAT= 42.0	U=	1.727 / 9.8	V =	1.929 / .5	₩=	.015263 /	8.5	T =	.881 / 4.9
LAT= 48.0	U =	1.800 / 10.7	V *	1.928 / 1.6	W=	.013939 /	8.1	T=	.829 / 4.9
AT= 54.0	U=	2.190 / 11.2	V =	2.373 / 2.2	W=	.010381 /	7.8	Ť=	.655 / 4.9
LAT= 60.0	U≖	2.595 / 11.4	V =	2.675 / 2.4	W=	.007956 /	7.5	T=	.541 / 4.7
AT= 66.0	บ≖	2.356 / 11.4	V =	2.731 / 2.3	W=	.001705 /	2.3	T=	.033 / 7.8
LAT= 72.0	U=	2.486 / 11.2	v=	2.372 / 2.2	W=	.003299 /	6.8	T=	.242 / 4.5
LAT= 78.0	U=	1.969 / 11.2	V=	1.625 / 2.2	W=	.003299 /	7.2	Ť=	.301 / 4.5
Z= 75.140	KM								
LAT=-78.0	U=								
	-	3.275 / 11.4	V=	3.042 / 8.6	W =	.000919 /	8.7	T =	.025 / 4.3
	U=		V =	3.042 / 8.6 4.563 / 8.6	₩= ₩=	.000919 / .002513 /	8.7 9.6	T= T=	
LAT=-72.0		4.716 / 11.5		4.563 / 8.6	W=	.002513 /	9.6	Τ±	.093 / 7.4
LAT=-72.0 LAT=-66.0	U= U=	4.716 / 11.5 5.779 / 11.7	V = V =	4.563 / 8.6 5.871 / 8.6	W= W=	.002513 / .005056 /	9.6 9.8	T± T=	.093 / 7.4 .248 / 7.7
LAT=-72.0 LAT=-66.0 LAT=-60.0	บ= บ= บ=	4.716 / 11.5 5.779 / 11.7 6.635 / 11.6	V = V =	4.563 / 8.6 5.871 / 8.6 6.850 / 8.6	₩= ₩=	.002513 / .005056 / .007053 /	9.6 9.8 9.6	T= T=	.093 / 7.4 .248 / 7.7 .347 / 7.0
LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0	υ= υ= υ=	4.716 / 11.5 5.779 / 11.7 6.635 / 11.6 7.071 / 11.5	V = V = V =	4.563 / 8.6 5.871 / 8.6 6.850 / 8.6 7.353 / 8.5	W = W = W =	.002513 / .005056 / .007053 / .010564 /	9.6 9.8 9.6 9.4	T= T= T=	.093 / 7.4 .248 / 7.7 .347 / 7.0 .632 / 6.5
AT=-72.0 AT=-66.0 AT=-60.0 AT=-54.0 AT=-48.0	U= U= U= U=	4.716 / 11.5 5.779 / 11.7 6.635 / 11.6 7.071 / 11.5 6.906 / 11.3	V = V = V =	4.563 / 8.6 5.871 / 8.6 6.850 / 8.6 7.353 / 8.5 7.239 / 8.3	W = W = W =	.002513 / .005056 / .007053 / .010564 / .014436 /	9.6 9.8 9.6 9.4 9.2	T = T = T = T =	.093 / 7.4 .248 / 7.7 .347 / 7.0 .632 / 6.5 1.028 / 6.1
AT=-72.0 AT=-66.0 AT=-60.0 AT=-54.0 AT=-48.0 AT=-42.0	U= U= U= U= U=	4.716 / 11.5 5.779 / 11.7 6.635 / 11.6 7.071 / 11.5 6.906 / 11.3 6.340 / 11.0	\ = \ \ = \ \ = \ \ =	4.563 / 8.6 5.871 / 8.6 6.850 / 8.6 7.353 / 8.5 7.239 / 8.3 6.515 / 8.0	M= M= M= M=	.002513 / .005056 / .007053 / .010564 / .014436 / .018302 /	9.6 9.8 9.6 9.4 9.2	T= T= T= T= T=	.093 / 7.4 .248 / 7.7 .347 / 7.0 .632 / 6.5 1.028 / 6.1
AT=-72.0 AT=-66.0 AT=-60.0 AT=-54.0 AT=-48.0 AT=-42.0 AT=-36.0	U= U= U= U= U= U=	4.716 / 11.5 5.779 / 11.7 6.635 / 11.6 7.071 / 11.5 6.906 / 11.3 6.340 / 11.0 5.491 / 10.7	\= \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	4.563 / 8.6 5.871 / 8.6 6.850 / 8.6 7.353 / 8.5 7.239 / 8.3 6.515 / 8.0 5.469 / 7.4	M= M= M= M= M= M=	.002513 / .005056 / .007053 / .010564 / .014436 / .018302 / .022011 /	9.6 9.8 9.6 9.4 9.2 9.0 8.7	T= T= T= T= T= T=	.093 / 7.4 .248 / 7.7 .347 / 7.0 .632 / 6.5 1.028 / 6.1 1.471 / 5.8
AT=-72.0 AT=-66.0 AT=-60.0 AT=-54.0 AT=-48.0 AT=-42.0 AT=-36.0 AT=-30.0	U= U= U= U= U= U= U=	4.716 / 11.5 5.779 / 11.7 6.635 / 11.6 7.071 / 11.5 6.906 / 11.3 6.340 / 11.0 5.491 / 10.7 4.733 / 10.1	V = V = V = V = V = V = V = V = V = V =	4.563 / 8.6 5.871 / 8.6 6.850 / 8.6 7.353 / 8.5 7.239 / 8.3 6.515 / 8.0 5.6515 / 8.0 6.754 / 6.5	M= M= M= M= M= M= M=	.002513 / .005056 / .007053 / .010564 / .014436 / .018302 / .022011 / .024714 /	9.6 9.8 9.6 9.4 9.2 9.0 8.7 8.4	T= T= T= T= T= T=	.093 / 7.4 .248 / 7.7 .347 / 7.0 .632 / 6.5 1.028 / 6.1 1.471 / 5.8 1.945 / 5.5 2.310 / 5.1
AT=-72.0 AT=-66.0 AT=-60.0 AT=-54.0 AT=-48.0 AT=-42.0 AT=-36.0 AT=-30.0	U= U= U= U= U= U= U= U=	4.716 / 11.5 5.779 / 11.7 6.635 / 11.6 7.071 / 11.5 6.906 / 11.3 6.340 / 11.0 5.491 / 10.7 4.733 / 10.1 4.303 / 9.3	V = V = V = V = V = V = V = V = V = V =	4.563 / 8.6 5.871 / 8.6 6.850 / 8.6 7.353 / 8.5 7.239 / 8.3 6.515 / 8.0 5.469 / 7.4 4.754 / 6.5 5.001 / 5.5	M= M= M= M= M= M= M= M=	.002513 / .005056 / .007053 / .010564 / .014436 / .018302 / .022011 / .024714 / .024890 /	9.6 9.8 9.6 9.4 9.2 9.0 8.7 8.4 8.1	T= T= T= T= T= T= T=	.093 / 7.4 .248 / 7.7 .347 / 7.0 .632 / 6.5 1.028 / 6.1 1.471 / 5.8 1.945 / 5.5 2.310 / 5.1 2.441 / 4.8
AT=-72.0 AT=-66.0 AT=-60.0 AT=-54.0 AT=-48.0 AT=-42.0 AT=-36.0 AT=-24.0 AT=-18.0	U= U= U= U= U= U= U= U= U=	4.716 / 11.5 5.779 / 11.7 6.635 / 11.6 7.071 / 11.5 6.906 / 11.3 6.340 / 11.0 5.491 / 10.7 4.733 / 10.1 4.303 / 9.3 4.125 / 6.8	V = V = V = V = V = V = V = V = V = V =	4.563 / 8.6 5.871 / 8.6 6.850 / 8.6 7.353 / 8.5 7.239 / 8.3 5.15 / 8.0 5.469 / 7.4 4.754 / 6.5 5.001 / 5.5 5.605 / 4.6	W= W	.002513 / .005056 / .007053 / .010564 / .014436 / .018302 / .022011 / .024714 / .024890 / .020778 /	9.6 9.8 9.6 9.4 9.2 9.0 8.7 8.4 8.1	T= T= T= T= T= T= T=	.093 / 7.4 .248 / 7.7 .347 / 7.6 .632 / 6.5 1.028 / 6.1 1.471 / 5.8 1.945 / 5.8 2.310 / 5.1 2.441 / 4.8 2.281 / 4.8
AT=-72.0 AT=-66.0 AT=-60.0 AT=-54.0 AT=-48.0 AT=-42.0 AT=-36.0 AT=-30.0 AT=-24.0 AT=-18.0	U= U= U= U= U= U= U= U= U=	4.716 / 11.5 5.779 / 11.7 6.635 / 11.6 7.071 / 11.5 6.906 / 11.3 6.340 / 11.0 5.491 / 10.7 4.733 / 10.1 4.303 / 9.3 4.125 / 8.8 3.967 / 8.4	V = V = V = V = V = V = V = V = V = V =	4.563 / 8.6 5.871 / 8.6 6.850 / 8.6 7.353 / 8.5 7.239 / 8.3 6.515 / 8.0 5.469 / 7.4 4.754 / 6.5 5.001 / 5.5 5.605 / 4.6 5.654 / 4.1	# W W W W W W W W W W W W W W W W W W W	.002513 / .005056 / .007053 / .010564 / .014436 / .018302 / .022011 / .024714 / .024890 / .020778 / .012635 /	9.6 9.8 9.6 9.4 9.2 9.0 8.7 8.4 8.1 7.8	T= T= T= T= T= T= T= T= T=	.093 / 7.4 .248 / 7.7 .347 / 7.6 .632 / 6.5 1.028 / 6.1 1.471 / 5.8 1.945 / 5.5 2.310 / 5.1 2.441 / 4.8 2.281 / 4.3 1.950 / 3.6
AT=-72.0 AT=-66.0 AT=-60.0 AT=-54.0 AT=-42.0 AT=-36.0 AT=-30.0 AT=-18.0 AT=-12.0 AT=-12.0	U= U= U= U= U= U= U= U=	4.716 / 11.5 5.779 / 11.7 6.635 / 11.6 7.071 / 11.5 6.906 / 11.3 6.340 / 11.0 7.073 / 10.7 4.733 / 10.1 4.303 / 9.3 4.125 / 8.8 3.967 / 8.4 3.665 / 8.2	\z \z \z \z \z \z \z \z \z \z \z \z \z \	4.563 / 8.6 5.871 / 8.6 6.850 / 8.6 7.353 / 8.5 7.239 / 8.3 6.515 / 8.0 5.469 / 7.4 4.754 / 6.5 5.001 / 5.5 5.605 / 4.6 4.757 / 3.5	W= W	.002513 / .005056 / .007053 / .010564 / .014436 / .018302 / .022011 / .024714 / .024890 / .020778 / .012635 / .005259 /	9.6 9.8 9.6 9.4 9.2 9.0 8.7 8.4 8.1 7.8 7.3	T= T= T= T= T= T= T=	.093 / 7.4 .248 / 7.7 .347 / 7.6 .632 / 6.5 1.028 / 6.1 1.471 / 5.8 1.945 / 5.5 2.310 / 5.1 2.441 / 4.8 2.281 / 4.3 1.950 / 3.6
AT=-72.0 AT=-66.0 AT=-54.0 AT=-54.0 AT=-42.0 AT=-36.0 AT=-30.0 AT=-24.0 AT=-18.0 AT=-12.0 AT=-12.0	U= U= U= U= U= U= U= U= U=	4.716 / 11.5 5.779 / 11.7 6.635 / 11.6 7.071 / 11.5 6.906 / 11.3 6.340 / 11.0 5.491 / 10.7 4.733 / 10.1 4.303 / 9.3 4.125 / 8.8 3.967 / 8.4	V = V = V = V = V = V = V = V = V = V =	4.563 / 8.6 5.871 / 8.6 6.850 / 8.6 7.353 / 8.5 7.239 / 8.3 6.515 / 8.0 5.469 / 7.4 4.754 / 6.5 5.001 / 5.5 5.605 / 4.6 5.654 / 4.1	# W W W W W W W W W W W W W W W W W W W	.002513 / .005056 / .007053 / .010564 / .014436 / .018302 / .022011 / .024714 / .024890 / .020778 / .012635 /	9.6 9.8 9.6 9.4 9.2 9.0 8.7 8.4 8.1 7.8	T= T= T= T= T= T= T= T= T=	.093 / 7.4 .248 / 7.7 .347 / 7.6 .632 / 6.5 1.028 / 6.1 1.471 / 5.8 1.945 / 5.5 2.310 / 5.1 2.441 / 4.8 2.281 / 4.3 1.950 / 3.6
AT=-72.0 AT=-60.0 AT=-60.0 AT=-54.0 AT=-48.0 AT=-36.0 AT=-30.0 AT=-24.0 AT=-18.0 AT=-12.0 AT=-10.0	U= U= U= U= U= U= U= U=	4.716 / 11.5 5.779 / 11.7 6.635 / 11.6 7.071 / 11.5 6.906 / 11.3 6.340 / 11.0 7.073 / 10.7 4.733 / 10.1 4.303 / 9.3 4.125 / 8.8 3.967 / 8.4 3.665 / 8.2	\z \z \z \z \z \z \z \z \z \z \z \z \z \	4.563 / 8.6 5.871 / 8.6 6.850 / 8.6 7.353 / 8.5 7.239 / 8.3 6.515 / 8.0 5.469 / 7.4 4.754 / 6.5 5.001 / 5.5 5.605 / 4.6 4.757 / 3.5	**************************************	.002513 / .005056 / .007053 / .010564 / .014436 / .018302 / .022011 / .024714 / .024890 / .020778 / .012635 / .005259 /	9.6 9.8 9.6 9.4 9.2 9.0 8.7 8.4 8.1 7.8 7.3	T= T= T= T= T= T= T=	.093 / 7.4 .248 / 7.7 .347 / 7.0 .632 / 6.5 1.028 / 6.1 1.471 / 5.8 1.945 / 5.5 2.310 / 5.1 2.441 / 4.3 2.281 / 4.3 1.950 / 3.6 1.712 / 2.5
AT=-72.0 AT=-66.0 AT=-66.0 AT=-54.0 AT=-54.0 AT=-48.0 AT=-36.0 AT=-36.0 AT=-24.0 AT=-18.0 AT=-12.0 AT=-12.0 AT=-6.0 AT= 6.0	U= U= U= U= U= U= U= U= U= U=	4.716 / 11.5 5.779 / 11.7 6.635 / 11.6 7.071 / 11.5 6.906 / 11.3 6.340 / 11.0 5.491 / 10.7 4.733 / 10.1 4.303 / 9.3 4.125 / 8.8 3.967 / 8.4 3.665 / 8.2 3.367 / 8.2	\	4.563 / 8.6 5.871 / 8.6 5.870 / 8.6 7.353 / 8.5 7.239 / 8.3 6.515 / 8.0 5.469 / 7.4 4.754 / 6.5 5.001 / 5.5 5.605 / 4.6 5.654 / 4.1 4.757 / 3.5 3.006 / 2.7 2.017 / 4	**************************************	.002513 / .005056 / .007053 / .010564 / .014436 / .018302 / .022011 / .024714 / .024890 / .020778 / .012635 / .005259 / .015066 / .024100 /	9.6 9.8 9.6 9.4 9.2 9.0 8.7 8.4 8.1 7.8 7.3 4.5	T= T= T= T= T= T= T= T= T=	.093 / 7.4 .248 / 7.7 .347 / 7.0 .632 / 6.5 1.028 / 6.1 1.471 / 5.8 1.945 / 5.5 2.310 / 5.1 2.441 / 4.8 2.281 / 4.3 1.950 / 3.6 1.712 / 2.5 1.785 / 1.4
LAT=-72.0 LAT=-66.0 LAT=-54.0 LAT=-54.0 LAT=-42.0 LAT=-36.0 LAT=-36.0 LAT=-18.0 LAT=-12.0 LAT=-6.0 LAT=-6.0 LAT= 6.0 LAT= 6.0 LAT= 12.0	U= U= U= U= U= U= U= U= U= U= U=	4.716 / 11.5 5.779 / 11.7 6.635 / 11.6 7.071 / 11.5 6.906 / 11.3 6.340 / 11.0 5.491 / 10.7 4.733 / 10.1 4.303 / 9.3 4.125 / 8.8 3.967 / 8.4 3.665 / 8.2 3.367 / 8.2 3.258 / 7.9	\	4.563 / 8.6 5.871 / 8.6 6.850 / 8.6 7.353 / 8.5 7.239 / 8.3 6.515 / 8.0 5.469 / 7.4 4.754 / 6.5 5.001 / 5.5 5.605 / 4.6 5.654 / 4.1 4.757 / 3.5 3.006 / 2.7 3.432 / 10.8	**************************************	.002513 / .005056 / .007053 / .010564 / .014436 / .018302 / .022011 / .024714 / .024714 / .020778 / .012635 / .005259 / .015066 / .024100 / .025659 /	9.6 9.8 9.6 9.2 9.0 8.7 8.4 8.1 7.3 4.5 2.4 1.9	T = T = T = T = T = T = T = T = T = T =	.093 / 7.4 .248 / 7.7 .347 / 7.0 .632 / 6.5 1.028 / 6.1 1.471 / 5.8 1.945 / 5.5 2.310 / 5.1 2.441 / 4.8 2.281 / 4.3 1.950 / 3.6 1.712 / 2.5 1.785 / 1.4 1.900 / 7.7
AT=-72.0 AT=-66.0 AT=-66.0 AT=-54.0 AT=-54.0 AT=-36.0 AT=-36.0 AT=-36.0 AT=-24.0 AT=-12.0 AT=-12.0 AT=-12.0 AT=-6.0 AT=-6.0 AT=-8.0	U= U= U= U= U= U= U= U= U= U= U=	4.716 / 11.5 5.779 / 11.7 6.635 / 11.6 7.071 / 11.5 6.906 / 11.3 6.340 / 11.0 5.491 / 10.7 4.733 / 10.1 4.303 / 9.3 4.125 / 8.8 3.967 / 8.4 3.655 / 8.2 3.236 / 8.1 3.258 / 7.9 3.225 / 7.8	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	4.563 / 8.6 5.871 / 8.6 6.850 / 8.6 7.353 / 8.5 7.239 / 8.3 5.515 / 8.0 5.469 / 7.4 4.754 / 6.5 5.001 / 5.5 5.605 / 4.6 5.654 / 4.1 4.757 / 3.5 3.006 / 2.7 2.017 / .4 3.432 / 10.8 4.717 / 10.3	**************************************	.002513 / .005056 / .007053 / .010564 / .014436 / .018302 / .022011 / .024714 / .024890 / .020778 / .012635 / .005259 / .015066 / .024100 / .025659 / .020224 /	9.6 9.8 9.6 9.2 9.0 8.7 8.4 8.1 7.3 4.5 2.4 1.6 1.3	T = = = = = = = = = = = = = = = = = = =	.093 / 7.4 .248 / 7.7 .347 / 7.0 .632 / 6.5 1.028 / 6.1 1.471 / 5.8 1.945 / 5.5 2.310 / 5.1 2.441 / 4.3 1.950 / 3.6 1.712 / 2.5 1.785 / 1.4 1.900 / .7 1.700 / .3 1.194 / .3
LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-34.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-18.0 LAT=-18.0 LAT=-12.0 LAT= -6.0 LAT= 0.0 LAT= 12.0 LAT= 12.0 LAT= 12.0	U= U= U= U= U= U= U= U= U= U= U=	4.716 / 11.5 5.779 / 11.7 6.635 / 11.6 7.071 / 11.5 6.906 / 11.3 6.340 / 11.0 5.491 / 10.7 4.733 / 10.1 4.303 / 9.3 4.125 / 6.8 3.967 / 8.4 3.665 / 8.2 3.236 / 8.1 3.258 / 7.9 3.225 / 7.8 3.041 / 7.8	\	4.563 / 8.6 5.871 / 8.6 5.870 / 8.6 7.353 / 8.5 7.239 / 8.3 6.515 / 8.0 5.469 / 7.4 4.754 / 6.5 5.001 / 5.5 5.605 / 4.6 5.654 / 4.1 4.757 / 3.5 3.006 / 2.7 2.017 / 3.432 / 10.8 4.717 / 10.3 4.978 / 10.0	**************************************	.002513 / .005056 / .007053 / .010564 / .014436 / .018302 / .022011 / .024714 / .02479 / .012635 / .005259 / .015066 / .024100 / .025659 / .020224 / .009667 /	9.6 9.8 9.4 9.0 9.0 8.7 8.4 1.5 4.5 1.6 1.3	T = T = T = T = T = T = T = T = T = T =	.093 / 7.4 .248 / 7.7 .347 / 7.0 .632 / 6.5 1.028 / 6.1 1.471 / 5.8 1.945 / 5.5 2.310 / 5.1 2.441 / 4.8 2.281 / 4.3 1.950 / 3.6 1.712 / 2.5 1.785 / 1.4 1.900 / .3 1.900 / .3 1.194 / .3 554 / 1.6
LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-42.0 LAT=-36.0 LAT=-36.0 LAT=-30.0 LAT=-18.0 LAT=-18.0 LAT=-6.0 LAT=-6.0 LAT=-6.0 LAT=-6.0 LAT= 12.0 LAT= 12.0 LAT= 12.0 LAT= 12.0 LAT= 12.0 LAT= 12.0 LAT= 24.0 LAT= 24.0 LAT= 30.0	U= U= U= U= U= U= U= U= U= U= U= U= U= U	4.716 / 11.5 5.779 / 11.7 6.635 / 11.6 7.071 / 11.5 6.906 / 11.3 6.340 / 11.0 5.491 / 10.7 4.733 / 10.1 4.303 / 9.3 4.125 / 8.8 3.967 / 8.4 3.665 / 8.2 3.367 / 8.2 3.258 / 7.9 3.258 / 7.9 3.258 / 7.9 3.041 / 7.8 2.564 / 8.2	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	4.563 / 8.6 5.871 / 8.6 6.850 / 8.6 7.353 / 8.5 7.239 / 8.3 6.515 / 8.0 5.469 / 7.4 4.754 / 6.5 5.001 / 5.5 5.605 / 4.6 5.654 / 4.1 4.757 / 3.5 3.006 / 2.7 2.017 / .4 3.432 / 10.8 4.717 / 10.3 4.718 / 10.0 3.948 / 10.1	**************************************	.002513 / .005056 / .007053 / .010564 / .014436 / .018302 / .022011 / .024714 / .024890 / .020778 / .015066 / .024100 / .025659 / .020224 / .009667 / .007447 /	9.6 9.8 9.6 9.2 9.0 8.7 8.4 1.5 1.6 1.3 9.0	T	.093 / 7.4 .248 / 7.7 .347 / 7.0 .632 / 6.5 1.028 / 6.1 1.471 / 5.8 1.945 / 5.5 2.310 / 5.1 2.441 / 4.8 2.281 / 4.3 1.712 / 2.5 1.785 / 1.4 1.900 / .7 1.700 / .3 1.554 / 1.6 802 / 4.0
LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-74.0 LAT=-36.0 LAT=-30.0 LAT=-24.0 LAT=-18.0 LAT=-12.0 LAT=-12.0 LAT= 6.0 LAT= 12.0 LAT= 12.0 LAT= 12.0 LAT= 24.0 LAT= 30.0 LAT= 30.0 LAT= 30.0	U= U= U= U= U= U= U= U= U= U= U= U= U= U	4.716 / 11.5 5.779 / 11.7 6.635 / 11.6 7.071 / 11.5 6.906 / 11.3 6.340 / 11.0 5.491 / 10.7 4.733 / 10.1 4.303 / 9.3 4.125 / 8.8 3.967 / 8.4 3.655 / 8.2 3.236 / 8.1 3.236 / 8.1 3.236 / 8.3 3.236 / 8.3 3.241 / 7.8 3.041 / 7.8 2.304 / 9.2	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	4.563 / 8.6 5.871 / 8.6 6.850 / 8.6 7.353 / 8.5 7.239 / 8.3 5.515 / 8.0 5.469 / 7.4 4.754 / 6.5 5.001 / 5.5 5.605 / 4.6 5.654 / 4.1 4.757 / 3.5 3.006 / 2.7 2.017 / .4 3.432 / 10.8 4.717 / 10.3 4.978 / 10.0 3.948 / 10.1 2.423 / 11.0	**************************************	.002513 / .005056 / .007053 / .010564 / .014436 / .018302 / .022011 / .024714 / .024890 / .020778 / .0150559 / .005259 / .015066 / .024100 / .025659 / .020224 / .009667 / .007447 / .014556 /	9.6 9.8 9.4 9.2 9.0 8.7 8.1 7.3 5 4.5 1.6 9.0 9.9	T =	.093 / 7.4 .248 / 7.7 .347 / 7.0 .632 / 6.5 1.028 / 6.1 1.471 / 5.8 1.945 / 5.5 2.310 / 5.1 2.441 / 4.8 2.281 / 4.3 1.950 / 3.6 1.712 / 2.5 1.785 / 1.4 1.900 / .7 1.700 / .3 1.554 / 1.6 802 / 4.0
LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-34.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-18.0 LAT=-18.0 LAT=-12.0 LAT= -6.0 LAT= 12.0 LAT= 12.0 LAT= 12.0 LAT= 30.0 LAT= 30.0 LAT= 30.0 LAT= 36.0 LAT= 36.0 LAT= 36.0	U= U= U= U= U= U= U= U= U= U= U= U= U= U	4.716 / 11.5 5.779 / 11.7 6.635 / 11.6 7.071 / 11.5 6.906 / 11.3 6.340 / 11.0 5.491 / 10.7 4.733 / 10.1 4.303 / 9.3 4.125 / 8.8 3.967 / 8.4 3.967 / 8.2 3.367 / 8.2 3.236 / 8.1 3.258 / 7.8 3.041 / 7.8 2.564 / 8.2 2.304 / 9.2 3.317 / 10.2	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	4.563 / 8.6 5.871 / 8.6 7.873 / 8.5 7.239 / 8.3 6.515 / 8.0 5.469 / 7.4 4.754 / 6.5 5.001 / 5.5 5.005 / 4.6 5.654 / 4.1 4.757 / 3.5 3.006 / 2.7 2.017 / 4 3.432 / 10.8 4.978 / 10.0 3.948 / 10.1 2.423 / 11.0 3.057 / 9	A A A A A A A A A A A A A A A A A A A	.002513 / .005056 / .007053 / .010564 / .014436 / .018302 / .022011 / .024714 / .024890 / .020778 / .012635 / .005259 / .015066 / .024100 / .025659 / .009667 / .007447 / .014556 / .016675 /	9.6 9.8 9.4 9.2 9.0 9.7 8.1 8.1 1.3 9.0 9.9 7.5	T	.093 / 7.4 .248 / 7.7 .347 / 7.0 .632 / 6.5 1.028 / 6.1 1.471 / 5.8 1.945 / 5.8 2.310 / 5.1 2.441 / 4.8 2.281 / 4.3 1.950 / 3.6 1.712 / 2.5 1.785 / 1.4 1.900 / .7 1.700 / .3 1.194 / .3 .554 / 1.6 .802 / 4.0 1.323 / 4.3
LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-42.0 LAT=-36.0 LAT=-36.0 LAT=-18.0 LAT=-18.0 LAT=-12.0 LAT=-6.0 LAT=-12.0	U= U== U== U== U== U== U== U== U== U==	4.716 / 11.5 5.779 / 11.7 6.635 / 11.6 7.071 / 11.5 6.906 / 11.3 6.340 / 11.0 5.491 / 10.7 4.733 / 10.1 4.303 / 9.3 4.125 / 8.8 3.967 / 8.4 3.665 / 8.2 3.367 / 8.2 3.258 / 7.9 3.225 / 7.8 3.041 / 7.8 2.564 / 8.2 2.304 / 9.2 3.317 / 10.2 4.925 / 10.6	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	4.563 / 8.6 5.871 / 8.6 6.850 / 8.6 7.353 / 8.5 7.239 / 8.3 6.515 / 8.0 5.469 / 7.4 4.754 / 6.5 5.001 / 5.5 6.05 / 4.6 5.654 / 4.1 4.757 / 3.5 3.006 / 2.7 2.017 / .4 3.432 / 10.8 4.717 / 10.3 4.717 / 10.3 5.72 / 10.0 3.948 / 10.1 2.423 / 11.0 3.057 / .9 5.156 / 1.6	**************************************	.002513 / .005056 / .007053 / .005056 / .010564 / .014436 / .018302 / .022011 / .024714 / .024890 / .015066 / .024100 / .025659 / .025659 / .007447 / .014656 / .014439 / .014439 / .014439 /	9.6 99.8 99.4 99.2 99.0 78.8 11.3 9.9 7.7 7.2	T	.093 / 7.4 .248 / 7.7 .347 / 7.0 .632 / 6.5 1.028 / 6.1 1.471 / 5.8 1.945 / 5.5 2.310 / 5.1 2.441 / 4.8 2.281 / 4.3 1.950 / 3.6 1.712 / 2.5 1.785 / 1.4 1.900 / .3 1.194 / .3 1.538 / 4.4 1.462 / 4.4
LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-72.0 LAT=-36.0 LAT=-30.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-30.0 LAT=-30.0 LAT=-30.0 LAT=-30.0 LAT=-30.0 LAT=-30.0 LAT=-30.0 LAT=-30.0 LAT=-42.0 LAT=-30.0 LAT=-42.0	U= U= U= U= U= U= U= U= U= U= U= U= U= U	4.716 / 11.5 5.779 / 11.7 6.635 / 11.6 7.071 / 11.5 6.906 / 11.3 6.340 / 11.0 5.491 / 10.7 4.733 / 10.1 4.303 / 9.3 4.125 / 8.8 3.967 / 8.4 3.655 / 8.2 3.236 / 8.2 3.237 / 10.2 4.25 / 10.6 6.590 / 10.8	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	4.563 / 8.6 5.871 / 8.6 6.850 / 8.6 7.353 / 8.5 7.239 / 8.3 5.515 / 8.0 5.469 / 7.4 4.754 / 6.5 5.605 / 4.6 5.654 / 4.1 4.757 / 3.5 3.006 / 2.7 2.017 / .4 3.432 / 10.8 4.717 / 10.3 4.978 / 10.1 2.423 / 11.0 3.057 / .9 5.156 / 1.6 7.117 / 1.8	**************************************	.002513 / .005056 / .007053 / .010564 / .014436 / .018302 / .022011 / .024714 / .024890 / .02559 / .015066 / .024100 / .025659 / .020224 / .009667 / .007447 / .016575 / .016575 / .016575 / .016575 / .014439 / .009249 /	9.68 9.99 9.20 9.20 9.20 9.20 9.21 9.21 9.21 9.21 9.21 9.21 9.21 9.21	T	.093 / 7.4 .248 / 7.7 .347 / 7.7 .632 / 6.5 1.028 / 6.1 1.471 / 5.8 1.945 / 5.5 2.310 / 5.1 2.441 / 4.8 2.281 / 4.3 1.950 / 3.6 1.712 / 2.5 1.785 / 1.4 1.900 / .7 1.700 / .3 1.194 / .3 1.538 / 4.4 1.462 / 4.4
LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-42.0 LAT=-36.0 LAT=-36.0 LAT=-18.0 LAT=-18.0 LAT=-12.0 LAT=-6.0 LAT=-12.0	U= U= U= U= U= U= U= U= U= U= U= U= U= U	4.716 / 11.5 5.779 / 11.7 6.635 / 11.6 7.071 / 11.5 6.906 / 11.3 6.340 / 11.0 5.491 / 10.7 4.733 / 10.1 4.303 / 9.3 4.125 / 8.8 3.967 / 8.4 3.967 / 8.2 3.236 / 8.1 3.258 / 7.9 3.258 / 7.8 3.041 / 7.8 2.564 / 8.2 2.304 / 9.2 3.317 / 10.2 4.925 / 10.6 6.590 / 10.8 7.810 / 10.8	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	4.563 / 8.6 5.871 / 8.6 6.850 / 8.6 7.353 / 8.5 7.239 / 8.3 6.515 / 8.0 5.469 / 7.4 4.754 / 6.5 5.001 / 5.5 6.05 / 4.6 5.654 / 4.1 4.757 / 3.5 3.006 / 2.7 2.017 / .4 3.432 / 10.8 4.717 / 10.3 4.717 / 10.3 5.72 / 10.0 3.948 / 10.1 2.423 / 11.0 3.057 / .9 5.156 / 1.6	**************************************	.002513 / .005056 / .007053 / .010564 / .014436 / .018302 / .022011 / .024714 / .024890 / .015066 / .024100 / .025659 / .025659 / .007447 / .014656 / .014439 / .014439 /	9.6 99.8 99.4 99.2 99.0 78.8 11.3 9.9 7.7 7.2	T	.093 / 7.4 .248 / 7.7 .347 / 7.0 .632 / 6.5 1.028 / 6.1 1.471 / 5.8 1.945 / 5.5 2.310 / 5.1 2.441 / 4.8 2.281 / 4.3 1.950 / 3.6 1.712 / 2.5 1.785 / 1.4 1.900 / .3 1.194 / .3 1.538 / 4.4 1.462 / 4.4
LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-72.0 LAT=-36.0 LAT=-30.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-30.0 LAT=-30.0 LAT=-30.0 LAT=-30.0 LAT=-30.0 LAT=-30.0 LAT=-30.0 LAT=-30.0 LAT=-42.0 LAT=-30.0 LAT=-42.0	U= U= U= U= U= U= U= U= U= U= U= U= U= U	4.716 / 11.5 5.779 / 11.7 6.635 / 11.6 7.071 / 11.5 6.906 / 11.3 6.340 / 11.0 5.491 / 10.7 4.733 / 10.1 4.303 / 9.3 4.125 / 8.8 3.967 / 8.4 3.655 / 8.2 3.236 / 8.2 3.237 / 10.2 4.25 / 10.6 6.590 / 10.8	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	4.563 / 8.6 5.871 / 8.6 6.850 / 8.6 7.353 / 8.5 7.239 / 8.3 5.515 / 8.0 5.469 / 7.4 4.754 / 6.5 5.605 / 4.6 5.654 / 4.1 4.757 / 3.5 3.006 / 2.7 2.017 / .4 3.432 / 10.8 4.717 / 10.3 4.978 / 10.1 2.423 / 11.0 3.057 / .9 5.156 / 1.6 7.117 / 1.8	**************************************	.002513 / .005056 / .007053 / .010564 / .014436 / .018302 / .022011 / .024714 / .024890 / .02559 / .015066 / .024100 / .025659 / .020224 / .009667 / .007447 / .016575 / .016575 / .016575 / .016575 / .014439 / .009249 /	9.68 9.99 9.20 9.20 9.20 9.20 9.21 9.21 9.21 9.21 9.21 9.21 9.21 9.21	T	.093 / 7.4 .248 / 7.7 .347 / 7.0 .632 / 6.5 1.028 / 6.1 1.471 / 5.8 1.945 / 5.5 2.310 / 5.1 2.441 / 4.8 2.281 / 4.3 1.950 / 3.6 1.712 / 2.5 1.785 / 1.4 1.900 / .7 1.700 / .3 1.194 / .3 1.554 / 1.6 .802 / 4.0 1.323 / 4.3 1.538 / 4.4 1.462 / 4.4
AT=-72.0 AT=-66.0 AT=-66.0 AT=-54.0 AT=-48.0 AT=-36.0 AT=-36.0 AT=-36.0 AT=-12.0 AT=-12.0 AT=-12.0 AT=-12.0 AT=-12.0 AT=-12.0 AT=-12.0 AT=-6.0 AT=-12.0 AT=-6.0 AT=-12.0 AT=-6.0	U= U= U= U= U= U= U= U= U= U= U= U= U= U	4.716 / 11.5 5.779 / 11.7 6.635 / 11.6 7.071 / 11.5 6.906 / 11.3 6.340 / 11.0 5.491 / 10.7 4.733 / 10.1 4.303 / 9.3 4.125 / 8.8 3.967 / 8.4 3.967 / 8.2 3.236 / 8.1 3.258 / 7.9 3.258 / 7.8 3.041 / 7.8 2.564 / 8.2 2.304 / 9.2 3.317 / 10.2 4.925 / 10.6 6.590 / 10.8 7.810 / 10.8	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	4.563 / 8.6 5.871 / 8.6 5.870 / 8.6 7.353 / 8.5 7.239 / 8.3 6.515 / 8.0 5.469 / 7.4 4.754 / 6.5 5.605 / 4.6 5.654 / 4.1 4.757 / 3.5 3.006 / 2.7 2.017 / .4 3.432 / 10.8 4.717 / 10.3 4.978 / 10.0 3.948 / 10.1 3.057 / .9 5.156 / 1.6 8.025 / 1.8	**************************************	.002513 / .005056 / .007053 / .010564 / .014436 / .018302 / .022011 / .0224714 / .024890 / .020778 / .012635 / .005259 / .015066 / .024100 / .025659 / .009667 / .007447 / .014556 / .016675 / .014556 / .016675 / .014439 / .009249 / .009537 /	9.6 9.6 9.6 9.2 9.2 9.2 9.3 9.3 9.3 9.3 9.3 9.3 9.3 9.3	T	.093 / 7.4 .248 / 7.7 .347 / 7.0 .632 / 6.5 1.028 / 6.1 1.471 / 5.8 1.945 / 5.8 2.310 / 5.1 2.441 / 4.8 2.281 / 4.3 1.950 / 2.5 1.785 / 1.4 1.900 / .7 1.700 / .3 1.194 / .3 1.554 / 1.6 .802 / 4.0 1.323 / 4.3 1.538 / 4.4 1.169 / 4.3

Table B4. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78° S to 78° N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 81.010							-		
	U=	4.177 / .5	V =	4.190 / 9.7	W=	.000573 /	5.7	Τ=	.124 / 2.
LAT=-78.0	U=	6.281 / .5	V =	6.223 / 9.5	W=		7.6	T=	.095 / 2.
LAT=-72.0 LAT=-66.0	U=	8.265 / .4	V =	8.202 / 9.3	W=	.001084 / .003215 /	8.3	T=	.131 / 5.
LAT=~60.0	U=	9.678 / .2	V=	9.951 / 9.2	W=	.003215 /	7.5	T =	.312 / 4.
LAT=-54.0	U=	10.937 / 11.8	V =	11.333 / 8.9	W=			T=	.711 / 4.
LAT=-48.0	U±	11.676 / 11.5	V =	12.229 / 8.5	w~ W=	.008551 / .012817 /	7.2 7.0	T=	1.239 / 4.
LAT=-42.0	U=	11.694 / 11.2	V = V =	12.321 / 8.1	w- ₩=		7.0	T=	1.906 / 4.
LAT=-36.0	U=	11.079 / 10.8	V =	11.682 / 7.5	₩= ₩=	.017207 /	7.0	T=	2.673 / 4.
	U=	9.649 / 10.3	V =	10.129 / 6.9	W=	.021269 /		T=	3.320 / 4.
LAT=-30.0	U=	7.753 / 9.7	V =			.023437 /	7.0	T=	
LAT=-24.0	U=	6.045 / 9.0	V =		W = W =	.022534 /	7.1 7.4	T=	3.601 / 4. 3.311 / 4.
LAT=-18.0		5.152 / 8.4				.017899 /		1 = T =	
LAT=-12.0	U= ''-		V =	9.045 / 3.4	W=	.010739 /	8.0		2.586 / 3.
LAT = -6.0	U= U=	4.529 / 8.0 4.210 / 7.8	V = V =	9.654 / 2.6	W=	.005790 /		T=	1.644 / 3.
LAT= 0.0	_			8.037 / 2.0	W=	.012663 /	. 4	T =	1.429 / 1.
LAT= 6.0	U=	4.147 / 7.6	V =	4.706 / .8	W=	.019083 /	.8	T =	1.872 / .
AT= 12.0	U=	4.320 / 7.4	V=	4.627 / 10.2	W=	.020086 /	1.1	Ţ×	2.048 / 12.
LAT= 18.0	U=	4.424 / 7.1	V =	7.584 / 9.3	W=	.017006 /	1.5	Ţ=	1.870 / .
AT= 24.0	U=	4.351 / 6.9	V =	8.839 / 8.9	W=	.011603 /	2.2	T ==	1.515 / .
AT= 30.0	U≠	3.544 / 7.3	V =	6.840 / 9.0	W=	.011058 /	3.6	<u>T</u> =	1.435 / 1.
AT= 36.0	U=	3.378 / 8.8	V =	3.320 / 10.4	W=	.014219 /	4.0	T =	1.563 / 2.
AT= 42.0	U=	6.196 / 10.0	V =	5.835 / .9	W=	.015934 /	3.9	T =	1.583 / 2.
AT= 48.0	U=	9.605 / 10.3	V =	10.302 / 1.3	W=	.015903 /	3.5	T =	1.403 / 2.
AT= 54.0	U=	12.507 / 10.4	V =	13.496 / 1.4	W =	.014743 /	3.0	T=	1.075 / 3.
AT= 60.0	U≃	14.185 / 10.4	V=	14.253 / 1.4	W =	.009400 /	2.8	T =	1.077 / 3.
AT= 66.0	U≖	10.995 / 10.3	V =	13.435 / 1.3	W=	.023359 /	1.6	T =	.994 / 10.
AT= 72.0	U=	12.110 / 10.3	V =	10.719 / 1.2	W=	.002041 /	2.2	T =	.654 / 4.
AT= 78.0	U≢	9.757 / 10.3	V =	6.297 / 1.1	W=	.009865 /	7.5	T=	1.332 / 4.
Z= 07.062	KM								
LAT=-78.0	U=	8.316 / 9.3	V =	7.286 / 6.5	W=	.002516 /	6.3	T=	.278 / 2.
AT=-72.0	Ü=	11.838 / 9.5	V =	11.282 / 6.5	W=	.006789 /	6.9	T=	.602 / 3.
AT=-66.0	Ū=	14.281 / 9.7	٧×	14.718 / 6.6	w=	.012376 /	7.0	Ť=	1.055 / 4.
AT=-60.0	Ū=	16.927 / 9.8	v=	17.469 / 6.8	₩=	.016789 /	6.5	T=	1.563 / 3.
AT=-54.0	Ūπ	18.812 / 10.0	V =	19.367 / 7.0	W =	.024908 /	6.1	T=	2.607 / 3.
AT=-48.0	Ü=	19.461 / 10.2	٧×	20.192 / 7.2	W=	.033443 /	5.7	Ť=	3.689 / 3.
AT=-42.0	U=	18.862 / 10.3	V =	19.318 / 7.4	W≃	.041007 /	5.2	T=	4.642 / 2.
AT=-36.0	U=	17.009 / 10.5	V=	16.714 / 7.6	W=	.047883 /	4.8	T=	5.378 / 2.
AT=-30.0	U=	13.783 / 10.5	V =	11.845 / 7.6	W =	.049375 /	4.3	T =	5.398 / 2.
AT=-24.0	U=	10.001 / 10.2	V =	5.346 / 7.0	W=	.042167 /	3.9	T*	4.556 / 2.
AT=-18.0	U=	7.015 / 9.5	V =	4.772 / 3.7	W=	.025503 /	3.2	T=	3.022 / 2.
AT=-12.0	U=	5.771 / 8.7	٧= ٧=	10.048 / 2.9	W =	.011894 /	. 5	T=	1.704 / 3.
AT= -6.0	U=	5.359 / 8.2	V =	13.237 / 2.7	w= W=	.028785 /		T=	1.837 / 5.
	υ= υ=	4.966 / 8.0	V =	11.760 / 2.6			9.9	T=	
AT = 0.0 AT = 6.0	U=	4.870 / 7.8	V = V =		W =	.045193 / .046298 /) = †=	
	U=		V =		₩ =		9.5	TΞ	
AT= 12.0				3.464 / 10.8	₩=	.030003 /	8.9		1.887 / 3.
AT= 18.0	ນ= ∪=	6.648 / 7.1	V =	8.244 / 9.6	W=	.009811 /	6.6	T=	2.796 / 1.
AT= 24.0		7.777 / 7.0	V =	11.107 / 9.4	W =	.034037 /	3.6	T =	4.802 / 1.
AT= 30.0	U=	7.792 / 7.1	V =	10.081 / 9.4	₩=	.061875 /	3.2	T=	6.340 / .
AT = 36.0	U≃	6.721 / 7.5	V =	7.013 / 9.9	W=	.077512 /	2.7	۲= -	6.756 / .
AT = 42.0	U≠	6.542 / 8.4	V =	6.133 / 11.3	M =	.079359 /	2.4	T =	6.111 / 11.
AT= 48.0	U≠	8.073 / 9.0	V =	8.484 / .1	W =	.071734 /	2.1	T =	4.970 / 11.
AT= 54.0	U⇒	10.230 / 9.2	V -	11.017 / .3	W =	.057481 /	1.6	T=	3.508 / 11.
AT= 60.0	U =	12.512 / 9.3	V =	12.170 / .1	W =	.036851 /	1.1	T=	1.521 / 10.
LAT= 66.0	U =	9.028 / 8.2	٧×	12.457 / 11.9	WIE	.044192 /	9	T=	3.576 / 10.
AT= 72.0	U≠	12.575 / 9.1	V =	10.616 / 11.6	W =	.013195 /	11.7	1=	.359 / 6.
AT= 78.0	U=	11.049 / 9.3	V =	6.724 / 10.8	₩×	.012443 /	8.1	† =	1.958 / 4.

Table B4. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78° S to 78° N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 93.363 KM					
2= 93.363 Km					
LAT=-78.0 U	= 21.933 / 10.2	V= 21.314 /	7.4 W=	.004262 / 3.3	T= .415 / .8
LAT=-72.0 U		V= 30.320 /	7.2 W=	.011064 / 4.4	T= .915 / 1.9
LAT=-66.0 U			7.0 W=	.021030 / 4.6	
LAT=-60.0 U					
				.032507 / 4.1	T= 2.638 / 1.6
				.052652 / 3.9	T= 4.340 / 1.5 T= 6.206 / 1.3
			6.4 W=	.076323 / 3.7	
	-,		6.0 W=	.097692 / 3.4	
		· · · · · · · · · · · · · · · · · · ·	5.3 W=	.114399 / 3.2	T= 9.155 / .9
			4.3 W=	.116289 / 3.0	T= 9.146 / .8
		V= 4.385 /	1.8 W=	.098004 / 2.6	T= 7.457 / .7
LAT=-18.0 U:		V= 7.082 / 1		.060592 / 2.2	T= 4.223 / .8
	000 , 0	V= 9.700 / 1		.022197 / .6	T= 1.630 / 2.9
LAT= -6.0 U			9.3 W=	.044311 / 9.4	T= 4.528 / 5.0
LAT= 0.0 U	- ·		7.5 W=	.078637 / 8.7	T= 7.314 / 5.0
LAT= 6.0 U			4.3 W=	.087248 / 8.3	T= 7.905 / 4.8
LAT= 12.0 U		V= 16.154 /	3.2 W=	.065300 / 7.9	T= 6.228 / 4.0
LAT= 18.0 U			2.7 W=	.028165 / 6.9	T= 4.618 / 2.6
LAT= 24.0 U			1.8 W=	.038888 / 3.0	T= 6.280 / .7
LAT = 30.0 U		V= 16.003 /	.5 W=	.085681 / 2.2	T= 9.451 / 11.9
LAT= 36.0 U		V= 21.156 / 1		.113709 / 1.8	T= 11.159 / 11.5
LAT= 42.0 U			9.7 W=	.117644 / 1.5	T= 10.762 / 11.0
LAT= 48.0 U			9.3 W=	.106492 / 1.2	T= 9.321 / 10.7
LAT= 54.0 U			9.0 W=	.082543 / .9	T= 6.821 / 10.4
LAT= 60.0 U:			B.8 W,≃	.053745 / .4	T= 3.634 / 9.8
LAT= 66.0 U			8.5 W=	.042220 / .1	T= 4.764 / 9.9
LAT= 72.0 U:			8.4 W=	.023228 / 11.5	T= 1.308 / 8.3
LAT= 78.0 U	14.766 / 5.8	V≈ 26.385 /	8.1 W=	.009248 / 10.0	T= 1.756 / 5.1
Z= 96.638 KM					
1	24 424 / 8 2	V- 27 764 /	.	0000 / 1.0	T- 4 407 / 40 0
LAT=-78.0 U			5.3 W=	.014008 / 1.8	T= 1.487 / 10.8
LAT=-72.0 U			5.2 W=	.025783 / 2.5	T= 2.547 / 11.5
LAT=-66.0 U			5.1 W=	.037830 / 2.9	T= 3.544 / 11.9
LAT=-60.0 U			5.1 W=	.060909 / 2.5	T= 6.116 / 11.7
LAT=-54.0 U	- ' '		5.1 W=	.089828 / 2.4	T= 9.014 / 11.8
LAT=-48.0 U			5.0 W=	.121954 / 2.3	T= 12.226 / 11.7
LAT = -42.0 U:			4.9 W=	.147214 / 2.2	T= 14.620 / 11.7
LAT=-36.0 U			4.8 W=	.161613 / 2.1	T= 15.744 / 11.7
LAT=-30.0 U			4.9 W=	.153288 / 2.2	T= 14.430 / 11.8
LAT=-24.0 U		V= 9.906 / 1		.118575 / 2.1	T= 10.618 / 12.0
LAT=-18.0 U		V= 20.644 / 1		.063473 / 2.4	T= 5.614 / .7
LAT=-12.0 U			0.2 W=	.015320 / 4.7	T= 4.407 / 3.0
LAT= -6.0 U			9.6 W=	.056936 / 7.4	T= 7.835 / 4.2
LAT= 0.0 U			6.7 W=	.088232 / 7.7	T= 9.917 / 4.4
LAT= 6.0 U			4.7 W=	.087145 / 7.8	T= 9.055 / 4.3
LAT= 12.0 U			3.8 W=	.055690 / B.1	T= 5.945 / 3.9
LAT= 18.0 U:			3.0 W=	.016699 / 9.7	T= 3.204 / 2.3
LAT= 24.0 U:			1.8 W=	.046676 / 1.1	T= 5.264 / .1
LAT= 30.0 U	• • • • • • • • • • • • • • • • • • • •	V= 26.047 /	.5 W=	.093916 / 1.4	T= 7.613 / 11.6
LAT= 36.0 U:		V= 28.474 / 1		.097709 / 1.3	T= 7.918 / 11.2
LAT= 42.0 U		V = 32.096 / 1		.089626 / 1.0	T= 6.400 / 10.9
LAT= 48.0 U:			9.3 w=	073374 / .7	T= 4.423 / 10.6
LAT= 54.0 U			8.5 W=	.053400 / .1	T= 2.233 / 10.1
LAT= 60.0 U			8.1 W=	.037964 / 11.2	T= .717 / 7.4
LAT= 66.0 U:			7.7 W=	.029468 / 10.2	T= 1.156 / 9.7
LAT= 72.0 U:			7.6 W=	.020630 / 10.9	T= .717 / 5.9
LAT= 78.0 U:	16.049 / 4.3	V= 24.528 /	7.4 W=	.008278 / 11.4	T= 1.370 / 4.8

Table B4. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 100.017	KM		. —					
LAT=-78.0	U=	36.260 / 6	.6 v=	31,680 / 3.5	W=	.020305 / .7	T =	1.979 / 9.
LAT=-72.0	Ü÷	52.341 / 6	.6 V=	48.283 / 3.5	w=	.031013 / 1.3	Ť≠	2.853 / 10.
LAT=-66.0	ປ≖	63.275 / 6	6 V=	61.849 / 3.5	W =	.041330 / 1.7	Ť=	3.594 / 11.
LAT=-60.0	U=	73.087 / 6	6 V=	71.501 / 3.5	W =	.070394 / 1.2	T=	6.759 / 10.
LAT=-54.0	U=	74.505 / 6	.6 V=	74.986 / 3.6	W=	.104997 / 1.1	T=	10.178 / 10.
LAT=-48.0	U=	67.973 / 6	.7 V=	70.201 / 3.8	W=	.146600 / 1.0	T =	13.998 / 10.
LAT=-42.0	U=	56.058 / 6	9 V=	57.808 / 4.0	W=	.181251 / .9	T=	16.857 / 10.
LAT=-36.0	U=	40.902 / 7	3 V=	39.471 / 4.4	W =	.203189 / 1.0	T =	18.146 / 10.
LAT=-30.0	U=	27.033 / 7	9 V=	24.062 / 5.6	₩=	.196471 / 1.0	T=	16.180 / 10.
LAT=-24.0	U =	20.229 / 8	9 V=	26.144 / 7.5	₩≃	.153519 / 1.2	T≠	11.304 / 11.
LAT=-18.0	U≖	19.155 / 9	.8 V=	33.742 / 8.3	W =	.085384 / 1.8	T =	7.503 / .
LAT=+12.0	U=	18.449 / 10	2 V=	32.532 / 8.6	W=	.051273 / 4.1	Ts	10.446 / 2.
LAT= -6.0	U=	15.668 / 10	. 1 V =	20.212 / 9.0	W=	.099928 / 5.7	T =	15.554 / 3.
LAT= Q.O	U≖	12.471 / 9	.7 V=	3.788 / .3	W=	.129797 / 6.2	T =	17.103 / 3.
LAT= 6.0	U=	10.693 / 9	2 V=	22.216 / 2.6	W=	.109309 / 6.7	Ť =	14.180 / 3.
LAT= 12.0	U=	10.038 / 8	9 V=	34.408 / 2.6	w=	.053342 / 7.6	T=	8.244 / 3.
LAT= 18.0	U=	10.442 / 8	.5 V=	34.061 / 2.4	W =	.046936 / 10.8	T =	3.658 / 1.
LAT= 24.0	U=	12.651 / 7	9 v=	22.555 / 1.9	W =	.102147 / 11.9	T=	6.355 / 11.
LAT= 30.0	U=	18.876 / 7	.3 V=	15.806 / 11.6	W≖	.127694 / .3	T =	9.055 / 10.
LAT= 36.0	U=	27.911 / 6	8 V=	29.527 / 10.1	W=	.113373 / .5	T =	8.723 / 10.
LAT= 42.0	U≖	35.149 / 6	4 V=	39.782 / 9.5	W =	.075857 / .7	T =	6.330 / 10.
LAT= 48.0	U≖	37.672 / 6	.0 v=	42.399 / 9.1	W =	.038098 / .7	T=	3.663 / 10.
LAT= 54.0	U=	35.935 / 5	6 V=	38.493 / 8.6	W=	.007762 / 11.4	T=	1.136 / 10.
LAT= 60.0	U=	30.017 / 5.	.1 V=	33.170 / 8.0	W =	.016748 / 8.3	T=	1.002 / 4.
LAT= 66.0	ย≂	31.547 / 4	4 V=	25.381 / 7.4	₩≃	.031385 / 8.1	T =	.430 / 9.
LAT= 72.0	U=	17.661 / 3	8 V=	20.656 / 7.0	W =	.008114 / 9.4	T=	.804 / 4.
LAT= 78.0	11.	/ -						
LAT = 70.0	U=	8.905 / 3.	2 V=	17.838 / 6.8	W≃	.009495 / . 9	T=	1.283 / 4.
Z= 103.521	-	8.905 / 3.	2 V=	17.838 / 6.8	W≈	.009495 / .9	T=	1.283 / 4.
	-	39.311 / 5		17.838 / 6.8 32.802 / 2.2	W=	.009495 / .9	T= T=	
7= 103.521	KM		0 V=			·		3.096 / 8.
Z= 103.521 LAT=-78.0 LAT=-72.0	KM U=	39.311 / 5 55.866 / 5	0 V=	32.802 / 2.2 50.280 / 2.1	₩ = ₩ =	.021716 / 11.2 .028282 / 11.8	Ť= Ť=	3.096 / 8. 3.325 / 8.
Z= 103.521 LAT=-78.0 LAT=-72.0 LAT=-66.0	KM U= U=	39.311 / 5 55.866 / 5	0 V= 0 V= 1 V=	32.802 / 2.2 50.280 / 2.1 64.667 / 2.1	W =	.021716 / 11.2 .028282 / 11.8 .034546 / .5	T=	3.096 / 8. 3.325 / 8. 3.055 / 9.
T= 103.52! LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0	KM U= U= U=	39.311 / 5 55.866 / 5 66.425 / 5	0 V= 0 V= 1 V= 1 V=	32.802 / 2.2 50.280 / 2.1 64.667 / 2.1 75.445 / 2.1	₩ = ₩ = ₩ =	.021716 / 11.2 .028282 / 11.8 .034546 / .5 .066881 / 11.9	T= T= T=	3.096 / 8. 3.325 / 8. 3.055 / 9. 6.607 / 9.
Z= 103.521 LAT=-78.0 LAT=-72.0 LAT=-66.0	KM U= U= U= U=	39.311 / 5 55.866 / 5 66.425 / 5 78.869 / 5	0 V= 0 V= 1 V= 1 V=	32.802 / 2.2 50.280 / 2.1 64.667 / 2.1 75.445 / 2.1 79.633 / 2.2	W = W = W =	.021716 / 11.2 .028282 / 11.8 .034546 / .5 .066881 / 11.9 .102258 / 11.8	T= T= T=	3.096 / 8. 3.325 / 8. 3.055 / 9. 6.697 / 9.
T= 103.52! LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0	KM U= U= U= U=	39.311 / 5 55.866 / 5 66.425 / 5 78.869 / 5 79.916 / 5	0 V= 0 V= 1 V= 1 V= 1 V= 2 V=	32.802 / 2.2 50.280 / 2.1 64.667 / 2.1 75.445 / 2.1 79.633 / 2.2 74.819 / 2.3	₩ = ₩ = ₩ =	.021716 / 11.2 .028282 / 11.8 .034546 / .5 .066881 / 11.9 .102258 / 11.8 .148128 / 11.7	T= T= T= T=	3.096 / 8. 3.325 / 8. 3.055 / 9. 6.607 / 9. 10.01. / 9. 14.917 / 9.
Z= 103.52! LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-48.0 LAT=-42.0	KM U= U= U= U= U= U=	39.311 / 5 55.866 / 5 66.425 / 5 78.869 / 5 79.916 / 5 72.792 / 5	0 V= 0 V= 1 V= 1 V= 1 V= 2 V= 5 V=	32.802 / 2.2 50.280 / 2.1 64.667 / 2.1 75.445 / 2.1 79.633 / 2.2 74.819 / 2.3 60.554 / 2.5	W = W = W = W = W =	.021716 / 11.2 .028282 / 11.8 .034546 / .5 .066881 / 11.9 .102258 / 11.8 .148128 / 11.7 .188364 / 11.7	T = T = T = T =	3.096 / 8. 3.325 / 8. 3.055 / 9. 6.697 / 9. 10.0: _ / 9. 14.917 / 9. 18.561 / 9.
Z= 103.52! LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-48.0 LAT=-42.0 LAT=-36.0	KM U= U= U= U= U= U= U= U=	39.311 / 5.55.866 / 5.66.425 / 5.78.869 / 5.79.916 / 5.72.792 / 5.59.527 / 5.	0 V= 0 V= 1 V= 1 V= 1 V= 2 V= 5 V= 0 V=	32.802 / 2.2 50.280 / 2.1 64.667 / 2.1 75.445 / 2.1 79.633 / 2.2 74.819 / 2.3 60.554 / 2.5	W = W = W = W =	.021716 / 11.2 .028282 / 11.8 .034546 / .5 .066881 / 11.9 .102258 / 11.8 .148128 / 11.7 .188364 / 11.7	T = T = T = T =	3.096 / 8. 3.325 / 8. 3.055 / 9. 6.607 / 9. 10.00 / 9. 14.917 / 9. 18.561 / 9. 20.179 / 9.
7= 103.52! LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-48.0 LAT=-42.0 LAT=-36.0	KM U= U= U= U= U= U= U= U=	39.311 / 5 55.866 / 5 66.425 / 5 78.869 / 5 79.916 / 5 72.792 / 5 59.527 / 5 42.619 / 6	0 V= 0 V= 1 V= 1 V= 1 V= 2 V= 5 V= 0 V= 1 V=	32.802 / 2.2 50.280 / 2.1 64.667 / 2.1 75.445 / 2.1 79.633 / 2.2 74.819 / 2.3 60.554 / 2.5 40.270 / 3.2	W = W = W = W =	.021716 / 11.2 .028282 / 11.8 .034546 / .5 .066881 / 11.9 .102258 / 11.8 .148128 / 11.7 .188364 / 11.7	T= T= T= T= T= T= T=	3.096 / 8. 3.325 / 8. 3.055 / 9. 6.607 / 9. 10.00 / 9. 14.917 / 9. 18.561 / 9. 20.179 / 9. 18.209 / 9.
Z= 103.521 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-48.0 LAT=-48.0 LAT=-36.0 LAT=-30.0 LAT=-24.0	KM U= U= U= U= U= U=	39.311 / 5 55.866 / 5 66.425 / 5. 78.869 / 5 79.916 / 5 72.792 / 5 59.527 / 5 42.619 / 6 29.883 / 7	0 V= 0 V= 1 V= 1 V= 1 V= 2 V= 5 V= 0 V= 1 V= 4 V=	32.802 / 2.2 50.280 / 2.1 64.667 / 2.1 75.445 / 2.1 79.633 / 2.2 74.819 / 2.3 60.554 / 2.5 40.270 / 3.2 28.432 / 4.9	W = W = W = W = W = W = W =	.021716 / 11.2 .028282 / 11.8 .034546 / .5 .066881 / 11.9 .102258 / 11.8 .148128 / 11.7 .188364 / 11.7 .216537 / 11.7	T= T= T= T= T= T= T=	3.096 / 8. 3.325 / 8. 3.055 / 9. 6.607 / 9. 10.01 / 9. 14.917 / 9. 18.561 / 9. 20.179 / 9. 18.209 / 9. 12.236 / 10.
Z= 103.521 AT=-78.0 AT=-72.0 AT=-66.0 AT=-54.0 AT=-54.0 AT=-36.0 AT=-36.0 AT=-36.0 AT=-30.0 AT=-130.0	KM U= U= U= U= U= U= U=	39.311 / 5 55.866 / 5 66.425 / 5 78.869 / 5 79.916 / 5 72.792 / 5 59.527 / 5 42.619 / 6 29.883 / 7 29.452 / 8	0 V= 0 V= 1 V= 1 V= 1 V= 1 V= 1 V= 4 V= 1 V=	32.802 / 2.2 50.280 / 2.1 64.667 / 2.1 75.445 / 2.1 79.633 / 2.2 74.819 / 2.3 60.554 / 2.5 40.270 / 3.2 28.432 / 4.9 42.114 / 6.4	W = = W = W =	.021716 / 11.2 .028282 / 11.8 .034546 / .5 .066881 / 11.9 .102258 / 11.8 .148128 / 11.7 .188364 / 11.7 .216537 / 11.7 .216251 / 11.9 .177716 / .2	T= T= T= T= T= T= T=	3.096 / 8. 3.325 / 8. 3.055 / 9. 6.607 / 9. 10.0: / 9. 14.917 / 9. 18.561 / 9. 20.179 / 9. 18.203 / 10. 8.201 / 10.
Z= 103.521 AT=-78.0 AT=-66.0 AT=-56.0 AT=-54.0 AT=-36.0 AT=-36.0 AT=-36.0 AT=-36.0 AT=-36.0 AT=-30.0 AT=-13.0 AT=-13.0	KM U====================================	39.311 / 5 55.866 / 5 66.425 / 5 78.869 / 5 79.916 / 5 72.792 / 5 59.527 / 5 42.619 / 6 29.883 / 7 29.452 / 8 33.719 / 8	0 V= 0 V= 1 V= 1 V= 2 V= 0 V= 0 V= 1 V= 4 V= 5 V= 5 V= 5 V= 1 V= 1 V= 1 V= 1 V= 1	32.802 / 2.2 50.280 / 2.1 64.667 / 2.1 75.445 / 2.1 79.633 / 2.2 74.819 / 2.3 60.554 / 2.5 40.270 / 3.2 28.432 / 4.9 42.114 / 6.4 57.135 / 7.0	# W W W W W W W W W W W W W W W W W W W	.021716 / 11.2 .028282 / 11.8 .034546 / .5 .066881 / 11.9 .102258 / 11.8 .148128 / 11.7 .188364 / 11.7 .216537 / 11.7 .216251 / 11.9 .177716 / .2	T= T= T= T= T= T= T= T= T=	3.096 / 8. 3.325 / 8. 3.055 / 9. 6.667 / 9. 10.0: / 9. 14.917 / 9. 18.561 / 9. 20.179 / 9. 18.209 / 9. 12.236 / 10. 8.201 / 12. 14.337 / 1.
X= 103.521 .AT=-78.0 .AT=-72.0 .AT=-66.0 .AT=-60.0 .AT=-54.0 .AT=-42.0 .AT=-36.0 .AT=-36.0 .AT=-36.0 .AT=-24.0 .AT=-16.0	KM U====================================	39.311 / 5 55.866 / 5 66.425 / 5 78.869 / 5 79.916 / 5 72.792 / 5 59.527 / 5 42.619 / 6 29.883 / 7 29.452 / 8 33.719 / 9 34.553 / 9	0	32.802 / 2.2 50.280 / 2.1 64.667 / 2.1 75.445 / 2.1 79.633 / 2.2 74.819 / 2.3 60.554 / 2.5 40.270 / 3.2 28.432 / 4.9 42.114 / 6.4 57.135 / 7.0 58.159 / 7.3	######################################	.021716 / 11.2 .028282 / 11.8 .034546 / .5 .066881 / 11.9 .102258 / 11.8 .148128 / 11.7 .188364 / 11.7 .216537 / 11.7 .216251 / 11.9 .177716 / .2 .116038 / 1.0	T=	3.096 / 8. 3.325 / 8. 3.055 / 9. 6.607 / 9. 10.0: / 9. 14.917 / 9. 18.561 / 9. 20.179 / 9. 18.209 / 9. 12.236 / 10. 8.201 / 12. 14.337 / 1. 22.345 / 2.
Z= 103.521 AT=-78.0 AT=-66.0 AT=-66.0 AT=-66.0 AT=-54.0 AT=-36.0 AT=-36.0 AT=-30.0 AT=-30.0 AT=-130.0 AT=-12.0 AT=-12.0 AT=-6.0 AT=-0.0	KM ====================================	39.311 / 5 55.866 / 5 66.425 / 5 78.869 / 5 79.916 / 5 72.792 / 5 59.527 / 5 42.619 / 6 29.883 / 7 29.452 / 8 33.719 / 9 34.553 / 9 29.863 / 9	0 V= 0 V= 1 V= 1 V= 2 V= 5 V= 1 V= 5 V= 5 V= 5 V= 5 V= 5 V= 5	32.802 / 2.2 50.280 / 2.1 64.667 / 2.1 75.445 / 2.1 79.633 / 2.2 74.819 / 2.3 60.554 / 2.5 40.270 / 3.2 28.432 / 4.9 42.114 / 6.4 57.135 / 7.0 58.159 / 7.3 42.787 / 7.6	# # # # # # # # # # # # # # # # # # #	.021716 / 11.2 .028282 / 11.8 .034546 / .5 .066881 / 11.9 .102258 / 11.8 .148128 / 11.7 .216537 / 11.7 .216537 / 11.7 .216537 / 11.9 .177716 / .2 .116038 / 1.0 .094689 / 2.8 .143488 / 4.2	T=	3.096 / 8. 3.325 / 8. 3.055 / 9. 6.607 / 9. 10.01 / 9. 14.917 / 9. 18.561 / 9. 20.179 / 9. 18.209 / 9. 12.236 / 10. 8.201 / 12. 14.337 / 1. 22.345 / 2.
Z= 103.521 AT=-78.0 AT=-72.0 AT=-66.0 AT=-54.0 AT=-54.0 AT=-36.0 AT=-36.0 AT=-30.0 AT=-24.0 AT=-13.0 AT=-13.0 AT=-13.0 AT=-14.0 AT=-15.0 AT=-16.0 AT=-6.0 AT=-6.0	KM ====================================	39.311 / 55.866 / 5.66.425 / 578.869 / 5.79.916 / 5.95.27 / 5.95.27 / 5.42.619 / 6.29.883 / 7.29.452 / 8.33.719 / 9.34.553 / 9.29.863 / 9.22.737 / 9.22.737 / 9.22.737 / 9.22.737 / 9.23.73	0 V= 0 V= 1 V= 1 V= 1 V= 0 V= 1 V= 1 V=	32.802 / 2.2 50.280 / 2.1 64.667 / 2.1 75.445 / 2.1 79.633 / 2.2 74.819 / 2.3 60.554 / 2.5 40.270 / 3.2 28.432 / 4.9 42.114 / 6.4 57.135 / 7.0 58.159 / 7.3 42.787 / 7.6 15.072 / 8.7	# # # # # # # # # # # # # # # # # # #	.021716 / 11.2 .028282 / 11.8 .034546 / .5 .066881 / 11.9 .102258 / 11.8 .148128 / 11.7 .188364 / 11.7 .216537 / 11.7 .216251 / 11.9 .177716 / .2 .116038 / 1.0 .024689 / 2.8 .143498 / 4.2	T=	3.096 / 8. 3.325 / 8. 3.055 / 9. 6.667 / 9. 10.00 / 9. 14.917 / 9. 18.561 / 9. 20.179 / 9. 18.209 / 9. 12.236 / 10. 8.201 / 12. 14.337 / 1. 22.345 / 2. 25.415 / 2. 21.841 / 2.
Z= 103.521 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-48.0 LAT=-48.0 LAT=-36.0 LAT=-36.0 LAT=-18.0 LAT=-12.0 LAT=-12.0 LAT=-6.0 LAT= 6.0 LAT= 6.0 LAT= 6.0	KM == = = = = = = = = = = = = = = = = =	39.311 / 5 55.866 / 5 66.425 / 5 78.869 / 5 79.916 / 5 72.792 / 5 59.527 / 5 42.619 / 6 29.883 / 7 29.452 / 8 33.719 / 9 34.553 / 9 22.737 / 9 17.443 / 9	0 V= 0 V= 1 V= 1 V= 1 V= 5 V= 1 V= 5 V= 1 V= 5 V= 1 V= 5 V= 0 V= 1 V= 0	32.802 / 2.2 50.280 / 2.1 64.667 / 2.1 75.445 / 2.1 79.633 / 2.2 74.819 / 2.3 60.554 / 2.5 40.270 / 3.2 28.432 / 4.9 42.114 / 6.4 57.135 / 7.0 58.159 / 7.3 42.787 / 7.6 15.072 / 8.7 24.548 / 8	######################################	.021716 / 11.2 .028282 / 11.8 .034546 / .5 .066881 / 11.9 .102258 / 11.8 .148128 / 11.7 .188364 / 11.7 .216537 / 11.7 .216251 / 11.9 .177716 / .2 .116038 / 1.0 .094689 / 2.8 .143488 / 4.2 .174425 / 4.7	T= T	3.096 / 8. 3.325 / 8. 3.055 / 9. 6.607 / 9. 10.0:
Z= 103.52! LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-48.0 LAT=-42.0 LAT=-30.0 LAT=-24.0 LAT=-18.0 LAT=-18.0 LAT=-19.0 LAT=-19.0 LAT=-0.0	KM U====================================	39.311 / 5 55.866 / 5 66.425 / 5 78.869 / 5 79.916 / 5 72.792 / 5 59.527 / 6 29.883 / 7 29.452 / 8 33.719 / 9 34.553 / 9 22.737 / 9 17.443 / 9 15.941 / 9	0 V= 0 V= 1 V= 1 V= 0 V= 1 V= 0 V= 1 V= 0 V= 1 V= 1	32.802 / 2.2 50.280 / 2.1 75.445 / 2.1 75.445 / 2.1 79.633 / 2.2 74.819 / 2.3 60.554 / 2.5 40.270 / 3.2 28.432 / 4.9 42.114 / 6.4 57.135 / 7.0 58.159 / 7.3 42.787 / 7.6 15.072 / 8.7 24.548 / 8.4	**************************************	.021716 / 11.2 .028282 / 11.8 .034546 / .5 .066881 / 11.9 .102258 / 11.8 .148128 / 11.7 .216537 / 11.7 .216537 / 11.7 .216531 / 11.9 .177716 / .2 .116038 / 1.0 .04689 / 2.8 .143488 / 4.2 .174425 / 4.7 .144721 / 5.2 .065644 / 6.3	T= T	3.096 / 8. 3.325 / 8. 3.055 / 9. 6.607 / 9. 10.0: _ / 9. 14.917 / 9. 18.561 / 9. 20.179 / 9. 18.209 / 9. 12.236 / 10. 8.201 / 12. 14.337 / 1. 22.345 / 2. 25.415 / 2. 21.841 / 2. 13.278 / 2.
Z= 103.52! LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-48.0 LAT=-48.0 LAT=-36.0 LAT=-30.0 LAT=-30.0 LAT=-13.0 LAT=-12.0 LAT=-12.0 LAT=-6.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-18.0	KM	39.311 / 55.866 / 5.66.425 / 5.78.869 / 5.79.916 / 5.95.27 / 5.59.527 / 5.42.619 / 6.29.883 / 7.29.452 / 8.33.719 / 9.34.553 / 9.29.863 / 9.22.737 / 9.15.941 / 9.15.941 / 9.15.941 / 9.14.705 / 8.	0 V= 0 V= 1 V= 1 V= 2 V= 0 V= 0 V= 1 V= 5 V= 5 V= 0 V= 3 V= 0 V= 7	32.802 / 2.2 50.280 / 2.1 64.667 / 2.1 75.445 / 2.1 79.633 / 2.2 74.819 / 2.3 60.554 / 2.5 40.270 / 3.2 28.432 / 4.9 42.114 / 6.4 57.135 / 7.0 58.159 / 7.3 42.787 / 7.6 15.072 / 8.7 24.548 / 8.8 47.792 / 1.3 53.445 / 1.5		.021716 / 11.2 .028282 / 11.8 .034546 / .5 .066881 / 11.9 .102258 / 11.8 .148128 / 11.7 .216537 / 11.7 .216251 / 11.7 .216251 / 11.9 .177716 / .2 .116038 / 1.0 .044689 / 2.8 .143488 / 4.2 .174425 / 4.7 .144721 / 5.2 .055644 / 6.3 .071067 / 9.7 .155432 / 10.7	T= T	3.096 / 8. 3.325 / 8. 3.055 / 9. 6.607 / 9. 10.01 / 9. 14.917 / 9. 18.561 / 9. 20.179 / 9. 18.209 / 9. 12.236 / 10. 8.201 / 12. 14.337 / 1. 22.345 / 2. 25.415 / 2. 21.841 / 2. 13.278 / 2. 4.011 / 3. 4.898 / 8.
Z= 103.521 LAT=-78.0 LAT=-766.0 LAT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-36.0 LAT=-30.0 LAT=-12.0 LAT=-12.0 LAT=-6.0 LAT=-12.0 LAT=-6.0 LAT=-12.0 LAT=-6.0 LAT=-6.0	KM	39.311 / 5 55.866 / 5 66.425 / 5 78.869 / 5 79.916 / 5 72.792 / 5 59.527 / 5 42.619 / 6 29.883 / 7 29.452 / 8 33.719 / 9 34.553 / 9 29.863 / 9 22.737 / 9 17.443 / 9 14.705 / 8 13.234 / 8	0 V= 0 V= 1 V= 1 V= 2 V= 5 V= 1 V= 5 V= 0 V= 1 V= 5 V= 0 V= 1 V= 0 V= 1 V= 0 V= 1 V= 0	32.802 / 2.2 50.280 / 2.1 75.4667 / 2.1 75.445 / 2.1 79.633 / 2.2 74.819 / 2.3 60.554 / 2.5 40.270 / 3.2 28.432 / 4.9 42.114 / 6.4 57.135 / 7.0 58.159 / 7.3 42.787 / 7.6 15.072 / 8.7 24.548 / 8.7 24.548 / 1.5 39.764 / 1.5 39.764 / 1.6	######################################	.021716 / 11.2 .028282 / 11.8 .034546 / .5 .066881 / 11.9 .102258 / 11.8 .148128 / 11.7 .216537 / 11.7 .216537 / 11.7 .216551 / 11.9 .177716 / .2 .116038 / .2 .174425 / 4.7 .144721 / 5.2 .065644 / 6.3 .071067 / 9.7 .155432 / 10.7	T= T= T= T= T= T= T= T= T= T= T=	3.096 / 8. 3.325 / 8. 3.055 / 9. 6.607 / 9. 10.0:
Z= 103.52! LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-60.0 LAT=-48.0 LAT=-36.0 LAT=-36.0 LAT=-24.0 LAT=-12.0 LAT=-12.0 LAT=-6.0 LAT=-12.0 LAT=-12.0 LAT=-13.0	KM	39.311 / 5 55.866 / 5 66.425 / 5 78.869 / 5 79.916 / 5 72.792 / 5 59.527 / 6 29.883 / 7 29.452 / 8 33.719 / 9 34.553 / 9 29.863 / 9 22.737 / 9 117.443 / 9 15.941 / 9 14.705 / 8 13.234 / 8	0 V= 0 V= 1 V= 1 V= 5 V= 5 V= 5 V= 5 V= 5 V= 7 V= 2 V= 8 V= 8 V= 1 V= 1 V= 1 V= 1 V= 1 V= 1	32.802 / 2.2 50.280 / 2.1 64.667 / 2.1 75.445 / 2.1 79.633 / 2.2 74.819 / 2.3 60.554 / 2.5 40.270 / 3.2 28.432 / 4.9 42.114 / 6.4 57.135 / 7.0 58.159 / 7.3 42.787 / 7.6 15.072 / 8.7 24.548 / 8.7 24.548 / 1.5 39.764 / 1.6 10.446 / 1.6 10.446 / 1.6 10.446 / 1.6	**************************************	.021716 / 11.2 .028282 / 11.8 .034546 / .5 .066881 / 11.9 .102258 / 11.8 .148128 / 11.7 .216537 / 11.7 .216537 / 11.7 .216251 / 11.9 .177716 / .2 .116038 / 1.0 .094689 / 2.8 .143488 / 4.2 .174425 / 4.7 .144721 / 5.2 .055644 / 6.3 .071067 / 9.7 .155432 / 10.7 .193711 / 11.1	T= T	3.096 / 8. 3.325 / 8. 3.055 / 9. 6.697 / 9. 10.0:
Z= 103.52! LAT=-78.0 LAT=-76.0 LAT=-66.0 LAT=-66.0 LAT=-48.0 LAT=-48.0 LAT=-36.0 LAT=-36.0 LAT=-13.0 LAT=-12.0 LAT=-12.0 LAT=-6.0 LAT=-12.0 LAT=-30.0	KM	39.311 / 55.866 / 5.66.425 / 578.869 / 5.79.916 / 572.792 / 559.527 / 5.42.619 / 6.29.483 / 7.29.452 / 8.33.719 / 9.34.553 / 9.22.737 / 9.17.443 / 9.15.941 / 9.14.705 / 8.13.234 / 8.13.234 / 8.13.234 / 8.13.234 / 8.13.234 / 8.39.304 / 5.39.30	0 V= 0 V= 1 V= 1 V= 2 V= 0 V= 1 V= 5 V= 5 V= 5 V= 2 V= 2 V= 2 V= 2 V= 2	32.802 / 2.2 50.280 / 2.1 64.667 / 2.1 75.445 / 2.1 79.633 / 2.2 74.819 / 2.3 60.554 / 2.5 40.270 / 3.2 28.432 / 4.9 42.114 / 6.4 57.135 / 7.0 58.159 / 7.3 42.787 / 7.6 15.072 / 8.7 24.548 / 8.8 47.792 / 1.3 53.445 / 1.5 39.764 / 1.6 10.446 / 1.4 22.775 / 8.6		.021716 / 11.2 .028282 / 11.8 .034546 / .5 .066881 / 11.9 .102258 / 11.8 .148128 / 11.7 .216537 / 11.7 .216537 / 11.7 .216251 / 11.9 .177716 / .2 .116038 / 1.0 .094689 / 2.8 .143488 / 4.2 .174425 / 4.7 .144721 / 5.2 .065644 / 6.3 .071067 / 9.7 .155432 / 10.7 .193711 / 11.1	T= T	3.096 / 8. 3.325 / 8. 3.055 / 9. 6.697 / 9. 10.0:
Z= 103.52! LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-60.0 LAT=-48.0 LAT=-36.0 LAT=-36.0 LAT=-12.0 LAT=-12.0 LAT=-6.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-13.0 LAT=-12.0 LAT=-13.0 LAT=-14.0 LAT=-14.0 LAT=-14.0 LAT=-14.0 LAT=-14.0 LAT=-14.0 LAT=-14.0 LAT=-14.0	WM U=	39.311 / 5 55.866 / 5 66.425 / 5 78.869 / 5 79.916 / 5 72.792 / 5 59.527 / 6 29.883 / 7 29.452 / 8 33.719 / 9 34.553 / 9 22.737 / 9 117.443 / 9 14.705 / 8 13.234 / 8 13.234 / 8 13.234 / 8 13.234 / 8 25.732 / 5 39.304 / 5	0 V= 0 V= 1 V= 1 V= 2 V= 5 V= 0 V= 4 V= 1 V= 6 V= 6 V= 9	32.802 / 2.2 50.280 / 2.1 75.4667 / 2.1 75.445 / 2.1 79.633 / 2.2 74.819 / 2.5 40.270 / 3.2 28.432 / 4.9 42.114 / 6.4 57.135 / 7.0 58.159 / 7.3 42.787 / 7.6 15.072 / 8.7 24.548 / 8.8 47.792 / 1.3 53.445 / 1.5 39.764 / 1.6 10.446 / 1.4 22.775 / 8.5 45.472 / 8.6 54.809 / 8.7		.021716 / 11.2 .028282 / 11.8 .034546 / .5 .066881 / 11.9 .102258 / 11.8 .148128 / 11.7 .188364 / 11.7 .216537 / 11.7 .216537 / 11.7 .216551 / 11.9 .177716 / .2 .116038 / .2 .114038 / 4.2 .174425 / 4.7 .144721 / 5.2 .055644 / 6.3 .071067 / 9.7 .155432 / 10.7 .193711 / 11.1 .19483 / 11.5 .110205 / .1	T# Y= T#	3.096 / 8. 3.325 / 8. 3.055 / 9. 6.607 / 9. 10.0:
Z= 103.521 LAT=-78.0 LAT=-66.0 LAT=-66.0 LAT=-66.0 LAT=-60.0 LAT=-42.0 LAT=-36.0 LAT=-36.0 LAT=-24.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-36.0 LAT=-36.0	KM U=	39.311 / 55.866 / 5.66.425 / 5.73.792 / 5.9.527 / 5.9.527 / 5.9.527 / 5.9.527 / 6.29.883 / 7.29.452 / 8.33.719 / 9.34.553 / 9.22.737 / 9.17.443 / 9.15.941 / 9.14.705 / 8.13.234 / 8.13.244	0 V= 0 V= 1 V= 1 V= 2 V= 1 V= 2 V= 1 V= 2 V= 2	32.802 / 2.2 50.280 / 2.1 64.667 / 2.1 75.445 / 2.1 79.633 / 2.2 74.819 / 2.3 60.554 / 2.5 40.270 / 3.2 28.432 / 4.9 42.114 / 6.4 57.135 / 7.0 58.159 / 7.3 42.787 / 7.6 15.072 / 8.7 24.548 / 8.8 47.792 / 1.3 53.445 / 1.5 39.764 / 1.6 10.446 / 1.4 22.775 / 8.6 54.872 / 8.6 54.879 / 8.7		.021716 / 11.2 .028282 / 11.8 .034546 / .5 .066881 / 11.9 .102258 / 11.8 .148128 / 11.7 .188364 / 11.7 .216537 / 11.7 .216251 / 11.9 .177716 / .2 .116038 / 1.0 .09469 / 2.8 .143488 / 4.2 .174425 / 4.7 .144721 / 5.2 .055644 / 6.3 .071067 / 9.7 .155432 / 10.7 .155432 / 10.7 .155432 / 10.7 .193711 / 11.1 .169483 / 11.5 .110205 / .1		3.096 / 8. 3.325 / 8. 3.055 / 9. 6.697 / 9. 10.0:
Z= 103.52! LAT=-78.0 LAT=-76.0 LAT=-66.0 LAT=-66.0 LAT=-48.0 LAT=-48.0 LAT=-36.0 LAT=-36.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-12.0 LAT=-6.0 LAT=-6.0 LAT=-6.0 LAT=-6.0 LAT=-6.0 LAT=-6.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0	WM U=	39.311 / 55.866 / 5.66.425 / 578.869 / 5.79.916 / 5.95.27 / 5.95.27 / 5.95.27 / 6.91.29.863 / 9.33.719 / 9.34.553 / 9.29.863 / 9.29.863 / 9.21.737 / 9.15.941 / 9.15.	0 V= 0 V= 1 V= 1 V= 2 V= 1 V= 2 V= 1 V= 2 V= 2	32.802 / 2.2 50.280 / 2.1 64.667 / 2.1 75.445 / 2.1 79.633 / 2.2 74.819 / 2.3 60.554 / 2.5 40.270 / 3.2 28.432 / 4.9 42.114 / 6.4 57.135 / 7.0 58.159 / 7.3 42.787 / 7.6 15.072 / 8.7 24.548 / 8.8 47.792 / 1.3 53.445 / 1.5 39.764 / 1.6 10.446 / 1.4 22.7½5 / 8.6 54.809 / 8.7 51.029 / 8.8 39.604 / 9.0		.021716 / 11.2 .028282 / 11.8 .034546 / .5 .066881 / 11.9 .102258 / 11.8 .148128 / 11.7 .188364 / 11.7 .216537 / 11.7 .216537 / 11.7 .216251 / 11.9 .177716 / .2 .116038 / 1.0 .024689 / 2.8 .143488 / 4.2 .174425 / 4.7 .144721 / 5.2 .055644 / 6.3 .071067 / 9.7 .155432 / 10.7 .193711 / 11.1 .19483 / 11.5 .10205 / .1 .036667 / 3.2 .039724 / 4.7	T# Y= T#	3.096 / 8. 3.325 / 8. 3.055 / 9. 6.697 / 9. 10.0: _ / 9. 14.917 / 9. 18.561 / 9. 20.179 / 9. 18.209 / 12. 236 / 10. 8.201 / 12. 14.337 / 1. 22.345 / 2. 25.415 / 2. 21.841 / 2. 13.278 / 2. 4.011 / 3. 4.838 / 8. 9.488 / 8. 9.488 / 9. 9.567 / 9. 7.029 / 10. 4.425 / 11. 2.317 / 1.
Z= 103.521 LAT=-78.0 LAT=-66.0 LAT=-66.0 LAT=-66.0 LAT=-60.0 LAT=-42.0 LAT=-36.0 LAT=-36.0 LAT=-24.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-36.0 LAT=-36.0	KM U= U= U= U= U= U= U= U= U= U	39.311 / 55.866 / 5.66.425 / 578.869 / 5.79.916 / 5.95.27 / 5.95.27 / 5.95.27 / 6.33.719 / 9.34.553 / 9.22.737 / 9.17.443 / 9.15.941 / 9.14.705 / 8.13.234 / 8.13.244 / 8.13.244 / 8.13.244 / 8.13.244 / 8.13.244 / 8.13.244 / 8.13.244 / 8.13.244 / 8.13.244 / 8.13.244	0 V= 0 V= 1 V= 1 V= 2 V= 1 V= 2 V= 3 V= 4 V= 4 V= 5 V= 6 V= 8 V= 8 V= 8 V= 8 V= 9	32.802 / 2.2 50.280 / 2.1 64.667 / 2.1 75.445 / 2.1 79.633 / 2.2 74.819 / 2.3 60.554 / 2.5 40.270 / 3.2 28.432 / 4.9 42.114 / 6.4 57.135 / 7.0 58.159 / 7.3 42.787 / 7.6 15.072 / 8.7 24.548 / 8.8 47.792 / 1.3 53.445 / 1.5 39.764 / 1.6 10.446 / 1.4 22.775 / 8.6 54.872 / 8.6 54.879 / 8.7		.021716 / 11.2 .028282 / 11.8 .034546 / .5 .066881 / 11.9 .102258 / 11.8 .148128 / 11.7 .188364 / 11.7 .216537 / 11.7 .216251 / 11.9 .177716 / .2 .116038 / 1.0 .09469 / 2.8 .143488 / 4.2 .174425 / 4.7 .144721 / 5.2 .055644 / 6.3 .071067 / 9.7 .155432 / 10.7 .155432 / 10.7 .155432 / 10.7 .193711 / 11.1 .169483 / 11.5 .110205 / .1	T= T	3.096 / 8. 3.325 / 8. 3.055 / 9. 6.697 / 9. 10.0:

Table B4. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 107.177	KM									
			_							
LAT=-78.0	U=	33.750 /	3.6	V =	26.831 /		₩=	.022150 / 9.3		4.352 / 6.7
LAT=-72.0	υ=	47.528 /	3.7	V≠	41.705 /	. 9	W=	.024618 / 9.9		5.164 / 7.4
LAT=-66.0	U=	55.999 /	3.8	V =	54.062 /	. 8	W=	.026297 / 11.		5.242 / 8.5
LAT=-60.0	U=	68.235 /	3.7	V=	63.541 /	. 8	W =	.060585 / 10.4		9.584 / 7.8
LAT=-54.0	Ų=	67.216 /	3.8	V =	66.817 /	.8	₩=	.093915 / 10.4		12.780 / 7.7
LAT=-48.0	U*	60.467 /	4.0	V =	61.203 /	1.0	W=	.138149 / 10.3		17.970 / 7.6
LAT = 42.0	U≖	47.771 /	4.3	٧×	47.154 /	1.3	W=	.177289 / 10.3		21.986 / 7.6
LAT=-36.0	U=	32.852 /	5.1	V =	28.688 /	2.2	W=	.205086 / 10.4		23.849 / 7.6
LAT=-30.0	U= U=	27.672 / 37.663 /	6.6 7.8	V = V =	30.590 / 55.494 /	4.4 5.4	W=	.204922 / 10.0		21.438 / 7.8
LAT=-18.0	U=	47.239 /	8.4	V≃	75.407 /	5.9	₩≠	.169813 / 11.0		14.078 / 8.3
LAT=-12.0	U=	50.842 /	8.7	V ≃	79.449 /	6.2	W= W=	.124868 / .3		7.903 / 10.6 16.591 / .4
LAT = -6.0	U=	46.665 /	8.9	V=	64.500 /	6.5	M=	.137683 / 1.1		27.649 / .9
LAT= 0.0	U=	37.500 /	9.1	V =	33.480 /	7.3	w - W =	.241158 / 3.3		32.943 / 1.1
LAT# 6.0	U=	28.228 /	9.0	V =	27.276 /		₩=	.207966 / 3.1		29.777 / 1.4
LAT= 12.0	U=	23.603 /	8.8	٧=	58.879 /		W=	.103337 / 4.0		19.491 / 1.9
LAT= 18.0	U=	20.673 /	8.7	V=	74.406 /	.3	₩≃	.043109 / 8.3		8.364 / 3.1
LAT= 24.0	U≠	17.670 /	8.5	V =	68.048 /	.7	W=	.166662 / 9.5		9.443 / 6.5
LAT= 30.0	U=	7.815 /	7.9	V =	39.591 /	1.4	W=	.243004 / 10.0		15.647 / 7.5
LAT= 36.0	U≃	14.678 /	4.0	V=	19.510 /	4.4	W=	.237623 / 10.3		16.272 / 8.1
LAT= 42.0	U=	37.387 /	4.0	٧×	45.172 /	6.5	W=	.176189 / 10.9		13.008 / 8.7
LAT= 48.0	U=	54.656 /	4.3	٧=	66.524 /	7.1	W=	.113311 / 11.		9.294 / 9.6
LAT= 54.0	U≠	64.655 /	4.6	V=	75.035 /	7.7	W=	.071512 / 1,3		6.476 / 10.9
LAT = 60.0	U=	62.113 /	5.0	V= V=	71.006 /	8.1	W=	.066472 / 2.		4.912 / .4
LAT= 66.0	U=	60.138 /	5.4	٧×	55.612 /	8.5	W=	.038201 / 4.4		3.523 / .6
LAT= 72.0	U=	39.427 /	5.9	V=	41.297 /	8.8	W=	.042595 / 3.9		2.796 / 1.1
LAT= 78.0	U=	24.755 /	6.3	V =	30.218 /	8.9	W=	.034169 / 2.1		1.261 / 1.5
1 270.0	U -	24.133 /	0.5	• -	30.216 /	0.5	W -	.034109 / 2	, ,-	1.201 / 1.9
Z= 111.019	KM									
LAT=-78.0	Ų=	25.398 /	2.0	۷∍	17.998 /		W=	.022906 / 7.4		3.894 / 4.5
LAT=-72.0	U=	35.735 /	2.1	V =	29.266 /		W=	.024368 / 8.		4.064 / 5.7
LAT=-66.0	U≠	40.645 /	2.3	V×	38.543 /		W=	.025136 / 9.4		6.220 / 7.4
LAT=-60.0	U=	50 192 /	2.2	V =	45.177 /		W=	.060551 / 8.9		11.300 / 6.5
LAT=-54.0	U=	46.427 /	2.3	V =	46.271 /		W =	.086984 / 9.0		14.667 / 6.5
LAT=-48.0	U=	39.246 /	2.4	V =	39.134 /		W =	.126286 / 9.0		20.052 / 6.2
LAT=-42.0	U=	26.381 /	2.7	V =	23.707 /		W=	.160052 / 9.0		24.192 / 6.1
LAT=-36.0	U=	14.059 /	4.4	V =	8.820 /	2.4	W=	181408 / 9.1		25.796 / 6.2
LAT=-30.0	U=	23.477 /	6.6	V =	34.075 /		W =	175332 / 9.3		22.807 / 6.3
LAT=-24.0	U=	41.355 /	7.3	V =	64.064 /	4.7	W =	.138197 / 10.0		14.178 / 6.8
LAT=-18.0	U=	55.162 /	7.5	V =	85.850 /	4.9	₩≈	.116587 / 11.0		9.131 / 9.5
LAT=-12.0	U=	61.040 /	7.7	V≃	91.159 /	5.1	W=	.178219 / .9		22.169 / 16.9
LAT= -6.0	U=	59.075 /	8.0	V =	78.234 /		₩≠	.273296 / 1.5		37.150 / 11.3
LAT= 0.0	U=	50.725 /	B.1	٧=	47.718 /	6.0	W=	.332952 / 1.6		45.636 / 11.5
LAT= 6.0	U=	40.177 /	8.2	V =	28.192 /		W =	.312498 / 2.1		43.691 / 11.8
LAT= 12.0	U =	32.891 /	8.1	V =	59.225 /		W =	.205174 / 2.3		31.647 / .1
LAT= 18.0	U=	28.674 /	7.9	V =	82.395 /		M =	.057915 / 2.8		16.352 / .9
LAT = 24.0	U=	26.494 /	7.8	٧×	86.642 /		W=	.115538 / 8.3		10.724 / 4.0
LAT = 30.0	U=	18.935 /	7.9	V =	66.673 /	. 1	W =	.237717 / 8.6		20.389 / 5.6
LAT= 36.0	U=	2.458 /	9.5	V =	38.578 /	1.5	W =	.273825 / 9.0		24.471 / 6.2
LAT= 42.0	U=	20.960 /	2.2	V =	36.812 /	3.9	W=	.233200 / 9.4		22.016 / 6.8
LAT= 48.0	U =	40.983 /	2.7	V =	55.597 /	5.3	W =	.167755 / 10.0		17.652 / 7.6
LAT= 54.0	U=	57.484 /	3.2	V =	71.324 /	6.1	W=	.105794 / 11.2		13.478 / 8.7
LAT= 60.C	U=	62.121 /	3.7	V =	76.148 /	6.7	W=	.078685 / .6		9.719 / 9.8
LAT= 66.0	U≠	70.961 /	4.2	V =	66.824 /	7.3	W=	.022167 / .9		7.156 / 9.9
LAT= 72.0	U=	50.946 /	4.7	٧×	53.552 /	7.7	W=	.046904 / 2.		5.975 / 10.9
LAT= 78.0	U×	33.757 /	5.0	V٤	42.248 /	7.9	W =	.045695 / 2.2	? T=	4.199 / 11.6

Table B4. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 115.091 F	KM						
LAT = 78.0	U=	19.414 / .4	V =	12.567 / 10.	.023100 / 5.7	T =	3.946 / 2.6
LAT = -72.0	U =	27.056 / .5	V =	21.259 / 9.9	.024799 / 6.6	T=	3.888 / 3.8
LAT=-66.0	U=	29.882 / .8	٧×	28.064 / 9.6	.031855 / B .1	T =	6.574 / 5.7
LAT=-60.0	U≈	37.132 / .7	V =	32.568 / 9.1	.067280 / 7.7	T =	12.351 / 5.1
LAT=-54.0	U=	31.826 / .6	V =	32.122 / 9.5	.085202 / 7.8	T =	14.932 / 5.0
LAT = -48.0	U=	25.147 / .5	V =	25.289 / 9.3	.118508 / 7.7		20.382 / 4.8
LAT = -42.0	U =	12.959 / .3	V =	12.390 / 8.9	.144733 / 7.7	T =	24.187 / 4.6 24.984 / 4.6
LAT=-36.0	U=	4.965 / 6.9	V =	14.727 / 4.9	.156255 / 7.7	T=	
LAT=-30.0	U= U=	23.762 / 6.6 41.532 / 6.6	V =	39.809 / 4.6 66.288 / 4.6	.136469 / 8.0 .088033 / 8.9	T=	20.481 / 4.7 9.834 / 5.3
LAT==24.0	U=	54.975 / 6.7	V =	86.296 / 4.0	.106355 / 11.3	Τ×	11.259 / 9.2
LAT=-18.0	U=	61.723 / 6.8	V =	92.125 / 4.0	.213932 / .2	Ť=	30.362 / 9.8
LAT= -6.0	U=	61.902 / 7.0	V =	82.198 / 4.2	.339408 / .6	Ť=	49.581 / 10.0
LAT = 0.0	U=	56.210 / 7.1	V =	56.180 / 4.3	.423078 / .7	Ţπ	61.781 / 10.2
LAT= 6.0	U=	47.269 / 7.2	V =	32.225 / 6.6	.423373 / 1.0	T=	62.411 / 10.3
LAT= 12.0	U=	39.265 / 7.2	V =	51.800 / B.	 .326106 / 1.2	T=	50.245 / 10.6
LAT= 18.0	U=	34.034 / 7.0	V =	77.063 / 9.9	.171174 / 1.4	T=	31.143 / 11.0
LAT = 24.0	U=	31.729 / 6.8	V =	89.380 / 10.0	.036354 / 5.8	T =	13.506 / .9
LAT = 30.0	U≖	27.424 / 6.9	V =	79.439 / 10.6	.194635 / 7.3	Ť≖	19.952 / 3.5
LAT = 36.0	U=	16.094 / 7.2	V =	55.226 / 11.9	.278878 / 7.7	Τ=	28.989 / 4.5
LAT= 42.0	U=	2.001 / 11.9	V =	34.471 / 1.	.271345 / 8.2	T=	29.887 / 5.0
LAT= 48.0	UΞ	19.532 / 1.6	y =	35.232 / 3 .	.222687 / 8.7	T=	26.468 / 5.7
LAT= 54.0	Ŭ=	36.875 / 2.1	V =	48.534 / 4.0	.152800 / 9.5	T=	21.690 / 6.6
LAT = 60.0	υ=	44.992 / 2.6	V =	58.751 / 5 .1	.088702 / 10.9	Τ=	14.528 / 7.5
LAT= 66.0	U=	62.519 / 3.2	V =	58.240 / 6.	.059371 / 10.0	T=	13.413 / 7.4
LAT= 72.0	U=	47.048 / 3.7	٧×	50.614 / 6.0	.044120 / .3	T=	8.365 / 8.8
LAT = 78.0	Ū≈	32.164 / 4.0	V ±	42.649 / 7.0	.046214 / 1.5	Ť=	6.451 / 10.2
		,	-	, -	 , -		•
Z= 119.451 F	KM						
LAT=-78.0	U=	15.748 / 10.9	V =	11.152 / 8.1	.023197 / 4.3	<u>†</u> =	3.704 / 1.3
LAT=-72.0	U =	21.751 / 11.0	V =	18,067 / 8.4	.023695 / 5.4	Ţ≠	4.266 / 2.7
LAT=-66.0	U=	24.581 / 11.3	V =	23.168 / 8.3	.038511 / 7.2	T=	8.026 / 4.2
LAT=-60.0	U≃	30.341 / 11.2	V =	26.537 / 8.0	 .074831 / 6.7	T=	14.150 / 3.7
LAT=-54.0	U=	24.643 / 10.9	V =	26.085 / 7.8	.087608 / 6.7	T =	15.769 / 3.7
LAT=-48.0	U≠	19.806 / 10.6	V =	21.982 / 7.3	.117958 / 6.6	T≃	20.740 / 3.4
LAT=+42.0	U =	12.169 / 9.7	V =	17.891 / 5.9	.138645 / 6.4	T = T =	23.697 / 3.3
LAT=-36.0	U=	12.319 / 7.3	V =	25.578 / 4.3	.141398 / 6.3		23.303 / 3.2
LAT = -30.0	U =	25.039 / 6.3	V =	43,907 / 3.9	.106759 / 6.4	T≃ ▼-	17.550 / 2.9
LAT=-24.0	U =	39.192 / 6.0	V =	64.889 / 3.1 81.274 / 3.1	.030560 / 7.4	T = T =	4.925 / 2.5 14.505 / 9.2
LAT=-18.0	U =	50.770 / 6.0 57.784 / 6.0	V =	81.274 / 3 .1 86.370 / 3 .1	.104551 / 11.6	T=	35.977 / 9.0
LAT=-12.0	U =		V =				
LAT = -6.0	U=	59.686 / 6.1	V =		.394395 / 11.9	7 = 7 =	57.448 / 9.0 72.412 / 9.1
LAT= 0.0	Ü=	56.450 / 6.2 49.721 / 6.3	V =		 .498990 / 12.0 .521466 / .1	T=	
LAT= 6.0	U=		V =		.521466 / .1 .436869 / .3	T=	75.675 / 9.3 65.299 / 9.5
LAT= 12.0	U≃	42.649 / 6.2 37.524 / 6.1	V =	45.276 / 7.4 69.084 / 8.3	.283967 / .6	1 = T =	46.473 / 9.9
LAT= 18.0 LAT= 24.0	U=	37.524 / 6.1 35.088 / 5.9	V = V =	84.447 / 8.8	.084411 / 1.6	T=	24.097 / 10.9
	U=	32.533 / 5.8	V =	81.714 / 9.3	 .142300 / 6.1	T=	18.567 / 1.4
LAT= 30.0 LAT= 36.0	U≡	25.048 / 6.0	V =	64.774 / 10.0	.267396 / 6.7	T=	29.134 / 2.8
LAT= 35.0	U=	12.471 / 6.1	V = V =	40.433 / 11.0	.297572 / 7.1	Te	33.139 / 3.6
LAT= 48.0	U=	4.852 / 2.5	V = V =	25,998 / .7	.275289 / 7.6	T=	32.660 / 4.2
	U=	20.244 / 1.6		26.456 / 2.8	.215389 / 8.3	T=	28.688 / 5.0
LAT= 54.0	U= U=	27.606 / 1.9	V =	37.368 / 4.4	.120343 / 9.4	T=	18.582 / 5.7
LAT= 60.0	U=	49.745 / 2.5	٧×	43.620 / 5.2	.123810 / 8.9	T.	21.322 / 5.7
LAT= 66.0	U=	38,994 / 3.0	V=	43.820 / 5.2	.059390 / 10.7	T=	11.085 / 7.0
LAT= 72.0	u= U≂	26.474 / 3.2	V=	36.456 / 6.1	.051649 / .7	T=	7.530 / 8.9
LAI= /0.0	J-	20.4/4 / 3.2	V Z	30.430 / 0.	 .031049 / .7		, 3.3

Table B4. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 124.175 KM												
LAT=-78.0 U= 13.395 / 9.7 V= 11.063 / 7.7 W= .022532 / 3.1 T= 3.139 / .6 LAT=-72.0 U= 18.370 / 9.8 V= 16.275 / 7.2 W= .022715 / 4.4 T= 4.808 / 2.1 LAT=-60.0 U= 21.147 / 10.1 V= 20.583 / 6.9 W= .042498 / 6.2 T= .9.686 / 3.1 LAT=-54.0 U= 21.047 / 9.5 V= 23.755 / 6.7 W= .081059 / 5.8 T= 15.911 / 2.8 LAT=-54.0 U= 21.047 / 9.5 V= 23.755 / 6.7 W= .081059 / 5.8 T= 15.911 / 2.8 LAT=-54.0 U= 11.047 / 9.5 V= 23.755 / 6.2 W= .094131 / 5.7 T= 17.373 / 2.6 LAT=-80.0 U= 12.047 / 9.5 V= 23.755 / 6.2 W= .094131 / 5.7 T= 17.373 / 2.6 LAT=-80.0 U= 17.379 / 6.5 V= 23.755 / 6.2 W= .127762 / 5.3 T= 22.223 / 2.3 LAT=-30.0 U= 17.379 / 6.5 V= 31.984 / 3.4 W= .142776 / 5.3 T= 22.223 / 2.3 LAT=-30.0 U= 17.379 / 6.5 V= 31.984 / 3.4 W= .142776 / 5.3 T= 22.223 / 2.3 LAT=-12.0 U= 26.584 / 5.7 V= 46.985 / 2.8 W= .112247 / 4.6 T= 18.993 / 1.4 LAT=-30.0 U= 37.347 / 5.4 V= 62.424 / 2.5 W= .049010 / 2.8 T= 16.565 / 9.3 LAT=-18.0 U= 47.130 / 5.3 V= 74.787 / 2.3 W= .049010 / 2.8 T= 16.565 / 9.3 LAT=-6.0 U= 56.957 / 5.3 V= 71.011 / 2.4 W= .440851 / 11.4 T= 56.873 / 8.5 LAT= 6.0 U= 55.224 / 5.5 V= 35.1182 / 2.9 W= .562478 / 11.4 T= 56.873 / 8.5 LAT= 6.0 U= 51.224 / 5.5 V= 35.117 / 4.2 W= .56382 / 11.6 T= 70.988 / 8.7 LAT=30.0 U= 31.820 / 5.1 V= 69.033 / 8.9 W= .562478 / 11.4 T= 78.251 / 8.5 LAT= 36.0 U= 31.820 / 5.1 V= 69.033 / 8.9 W= .250019 / 11.4 T= 78.251 / 8.5 LAT= 36.0 U= 31.820 / 5.1 V= 69.033 / 8.9 W= .250019 / 1.3 T= 54.566 / 3.3 LAT=60.0 U= 31.820 / 5.1 V= 69.033 / 8.9 W= .250019 / 6.3 T= 28.255 / 1.5 LAT=-60.0 U= 11.586 / 4.7 V= 29.367 / 10.4 W= .39340 / 6.8 T= 35.356 / 3.1 LAT=-60.0 U= 11.586 / 4.7 V= 29.367 / 10.4 W= .39340 / 6.8 T= 35.356 / 3.1 LAT=-60.0 U= 11.586 / 4.7 V= 29.367 / 10.4 W= .39340 / 6.8 T= 35.356 / 3.1 LAT=-60.0 U= 11.586 / 4.7 V= 29.367 / 10.4 W= .39340 / 6.8 T= 35.356 / 3.1 LAT=-60.0 U= 11.586 / 4.7 V= 29.367 / 10.4 W= .39340 / 6.8 T= 35.356 / 3.1 LAT=-60.0 U= 11.586 / 4.7 V= 29.367 / 10.4 W= .39340 / 6.3 T= 22.776 / 4.3 LAT=-60.0 U= 11.586 / 4.7 V= 29.366 / 6.7 W= .39340 / 6.3 T= 22.778 / 4.3 LAT=-60.0 U= 20.666 / 8.	ſ	7- 404 175	V11									
LATE-66.0 U = 18.370 / 9.8 V = 16.275 / 7.2 W = .022715 / 4.4 T = 4.008 / 2.1 LATE-66.0 U = 21.147 / 10.1 V = 20.583 / 6.9 W = .04298 / 6.2 T = 9.686 / 3.1 LATE-60.0 U = 25.922 / 9.9 V = 23.385 / 6.7 W = .081059 / 5.8 T = 15.911 / 2.8 LATE-54.0 U = 10.407 / 9.5 V = 23.385 / 6.7 W = .081059 / 5.8 T = 15.911 / 2.8 LATE-54.0 U = 10.407 / 9.5 V = 23.385 / 6.7 W = .081059 / 5.8 T = 15.911 / 2.8 LATE-42.0 U = 14.915 / 8.0 V = 23.995 / 5.5 W = .094131 / 5.7 T = 17.373 / 2.6 LATE-42.0 U = 14.915 / 8.0 V = 23.995 / 5.5 W = .127724 / 5.3 T = 22.222 / 2.3 LATE-30.0 U = 26.584 / 5.7 V = 46.385 / 2.8 W = .142747 / 4.6 T = 18.993 / 1.4 LATE-30.0 U = 27.143 / 2.1 LATE-30.0 U = 37.457 / 5.4 V = 62.422 / 2.5 W = .129862 / 11.5 T = 66.605 / 3.1 LATE-12.0 U = 47.575 / 5.3 V = 27.877 / 2.2 W = .29862 / 11.5 T = 66.605 / 3.1 LATE-12.0 U = 45.576 / 5.3 V = 27.787 / 2.2 W = .29862 / 11.5 T = 66.605 / 3.1 LATE-12.0 U = 57.782 / 5.4 V = 53.182 / 2.9 W = .562478 / 11.4 T = 72.717 / 8.4 LATE 6.0 U = 57.224 / 5.5 V = 35.117 / 4.2 W = .603132 / 11.4 T = 77.2717 / 8.4 LATE 18.0 U = 41.024 / 5.2 V = 43.085 / 7.2 W = .53862 / 11.6 T = 77.0986 / 8.7 LATE 18.0 U = 41.024 / 5.2 V = 41.029 / 6.2 W = .53862 / 11.6 T = 77.0986 / 8.7 LATE 30.0 U = 57.52 / 5.4 V = 41.029 / 6.2 W = .53862 / 11.6 T = 77.0986 / 8.7 LATE 30.0 U = 41.024 / 5.2 V = 48.945 / 9.5 W = .289050 / 7.5 T = .22.789 / 9.8 LATE 30.0 U = 36.931 / 5.0 V = 79.692 / 7.7 W = .77663 / 6.7 T = .29.956 / 9.8 LATE 30.0 U = 36.931 / 5.0 V = 79.692 / 7.7 W = .77663 / 6.7 T = .29.255 / 9.8 LATE 30.0 U = 36.931 / 5.0 V = 79.692 / 7.7 W = .77663 / 6.7 T = .29.255 / 9.8 LATE 30.0 U = 36.931 / 5.0 V = 79.692 / 7.7 W = .77663 / 6.7 T = .29.255 / 9.8 LATE 30.0 U = 36.695 / 5.0 V = .96.903 / 8.9 W = .250019 / 5.7 T = .28.255 / 1.5 LATE 42.0 U = .2666 / 5.0 V = .29.267 / 10.4 W = .282515 / 7.5 T = .33.425 / 3.8 LATE 30.0 U = .20.266 / 2.0 V = .20.266 / 2.0 V = .20.267 / 10.4 W = .20.2019 / 5.7 T	1	2= 124.175	IV MI									
LATE-66.0 U = 18.370 / 9.8 V = 16.275 / 7.2 W = .022715 / 4.4 T = 4.008 / 2.1 LATE-66.0 U = 21.147 / 10.1 V = 20.583 / 6.9 W = .04298 / 6.2 T = 9.686 / 3.1 LATE-60.0 U = 25.922 / 9.9 V = 23.385 / 6.7 W = .081059 / 5.8 T = 15.911 / 2.8 LATE-54.0 U = 10.407 / 9.5 V = 23.385 / 6.7 W = .081059 / 5.8 T = 15.911 / 2.8 LATE-54.0 U = 10.407 / 9.5 V = 23.385 / 6.7 W = .081059 / 5.8 T = 15.911 / 2.8 LATE-42.0 U = 14.915 / 8.0 V = 23.995 / 5.5 W = .094131 / 5.7 T = 17.373 / 2.6 LATE-42.0 U = 14.915 / 8.0 V = 23.995 / 5.5 W = .127724 / 5.3 T = 22.222 / 2.3 LATE-30.0 U = 26.584 / 5.7 V = 46.385 / 2.8 W = .142747 / 4.6 T = 18.993 / 1.4 LATE-30.0 U = 27.143 / 2.1 LATE-30.0 U = 37.457 / 5.4 V = 62.422 / 2.5 W = .129862 / 11.5 T = 66.605 / 3.1 LATE-12.0 U = 47.575 / 5.3 V = 27.877 / 2.2 W = .29862 / 11.5 T = 66.605 / 3.1 LATE-12.0 U = 45.576 / 5.3 V = 27.787 / 2.2 W = .29862 / 11.5 T = 66.605 / 3.1 LATE-12.0 U = 57.782 / 5.4 V = 53.182 / 2.9 W = .562478 / 11.4 T = 72.717 / 8.4 LATE 6.0 U = 57.224 / 5.5 V = 35.117 / 4.2 W = .603132 / 11.4 T = 77.2717 / 8.4 LATE 18.0 U = 41.024 / 5.2 V = 43.085 / 7.2 W = .53862 / 11.6 T = 77.0986 / 8.7 LATE 18.0 U = 41.024 / 5.2 V = 41.029 / 6.2 W = .53862 / 11.6 T = 77.0986 / 8.7 LATE 30.0 U = 57.52 / 5.4 V = 41.029 / 6.2 W = .53862 / 11.6 T = 77.0986 / 8.7 LATE 30.0 U = 41.024 / 5.2 V = 48.945 / 9.5 W = .289050 / 7.5 T = .22.789 / 9.8 LATE 30.0 U = 36.931 / 5.0 V = 79.692 / 7.7 W = .77663 / 6.7 T = .29.956 / 9.8 LATE 30.0 U = 36.931 / 5.0 V = 79.692 / 7.7 W = .77663 / 6.7 T = .29.255 / 9.8 LATE 30.0 U = 36.931 / 5.0 V = 79.692 / 7.7 W = .77663 / 6.7 T = .29.255 / 9.8 LATE 30.0 U = 36.931 / 5.0 V = 79.692 / 7.7 W = .77663 / 6.7 T = .29.255 / 9.8 LATE 30.0 U = 36.695 / 5.0 V = .96.903 / 8.9 W = .250019 / 5.7 T = .28.255 / 1.5 LATE 42.0 U = .2666 / 5.0 V = .29.267 / 10.4 W = .282515 / 7.5 T = .33.425 / 3.8 LATE 30.0 U = .20.266 / 2.0 V = .20.266 / 2.0 V = .20.267 / 10.4 W = .20.2019 / 5.7 T	ı	1AT78 0	11-	13 305 /	9.7	V-	11 063 /	7 7	w-	022522 / 3 1	7-	3 130 / 6
LAT=-66.0 U= 21.147 / 10.1 V= 20.583 / 6.9 W= .04298 / 6.2 T= 9.666 / 3.1 LAT=-60.0 U= 25.922 / 9.9 V= 23.385 / 6.7 W= .081059 / 5.8 T= 15.911 / 2.8 LAT=-42.0 U= 18.213 / 9.0 V= 22.715 / 5.5 W= .094131 / 5.7 T= 17.373 / 2.6 LAT=-48.0 U= 18.213 / 9.0 V= 22.715 / 5.5 W= .127724 / 5.3 T= 22.222 / 2.3 LAT=-36.0 U= 17.379 / 6.5 V= 31.984 / 3.4 W= .149162 / 5.1 T= 24.863 / 2.1 LAT=-36.0 U= 17.379 / 6.5 V= 31.984 / 3.4 W= .149236 / 5.0 T= 23.961 / 1.9 LAT=-30.0 U= 26.584 / 5.7 V= 46.385 / 2.8 W= .112247 / 4.6 T= 18.993 / 1.4 LAT=-18.0 U= 47.130 / 5.3 V= 74.787 / 2.3 W= .112247 / 4.6 T= 18.993 / 1.4 LAT=-18.0 U= 57.582 / 5.3 V= 74.787 / 2.3 W= .129862 / 11.9 T= 10.427 / 1.1 LAT=-18.0 U= 57.582 / 5.4 V= 53.182 / 2.9 W= .52478 / 11.4 T= 57.6667 / 8.6 LAT= 6.0 U= 55.782 / 5.4 V= 35.182 / 2.9 W= .52478 / 11.4 T= 72.717 / 8.4 LAT= 6.0 U= 57.582 / 5.4 V= 35.182 / 2.9 W= .562478 / 11.4 T= 72.717 / 8.4 LAT= 18.0 U= 41.024 / 5.2 V= 63.085 / 7.2 W= .531862 / 11.9 T= 77.9868 / 8.7 LAT= 18.0 U= 36.937 / 5.0 V= 79.692 / 7.2 W= .3870862 / 11.9 T= 77.9868 / 8.7 LAT= 30.0 U= 36.930 / 5.0 V= 79.692 / 7.2 W= .3870862 / 11.9 T= 77.9868 / 9.8 LAT= 30.0 U= 36.930 / 5.0 V= 79.692 / 7.2 W= .3870862 / 11.9 T= 77.9968 / 8.7 LAT= 30.0 U= 36.930 / 5.0 V= 79.692 / 7.2 W= .3870862 / 11.9 T= 77.9968 / 8.7 LAT= 30.0 U= 36.930 / 5.0 V= 79.692 / 7.2 W= .3870862 / 11.9 T= 22.776 / 4.3 LAT= 6.0 U= 36.930 / 5.0 V= 79.692 / 7.2 W= .3870862 / 11.9 T= 22.7867 / 11.8 LAT= 30.0 U= 36.930 / 5.0 V= 79.692 / 7.2 W= .3870862 / 11.9 T= 22.7867 / 11.8 LAT= 30.0 U= 36.930 / 5.0 V= 79.692 / 7.2 W= .3870862 / 11.9 T= 22.7867 / 10.4 W= .28951 / 7.5 T= 22.931 / 10.9 U= .28951 / 7.5 U= .	١											
LAT==50.0 U= 25.922 / 9.9 V= 23.385 / 6.7 W= .081059 / 5.8 T= 15.911 / 2.8 LAT==54.0 U= 21.047 / 9.5 V= 23.756 / 6.2 W= .094131 / 5.7 T= 17.373 / 2.6 LAT==48.0 U= 18.213 / 9.0 V= 22.715 / 5.5 W= .127724 / 5.3 T= 22.22 / 2.3 LAT==42.0 U= 14.915 / 8.0 V= 23.999 / 4.4 W= .149162 / 5.1 T= 24.853 / 2.1 LAT==30.0 U= 17.379 / 6.5 V= 31.984 / 3.4 W= .149236 / 5.0 T= 23.961 / 1.9 LAT==30.0 U= 26.584 / 5.7 V= 46.385 / 2.8 W= .112474 / 4.6 T= 18.993 / 1.4 LAT==18.0 U= 37.437 / 5.4 V= 62.424 / 2.5 W= .049010 / 2.8 T= 10.427 / 1.4 LAT==18.0 U= 37.437 / 5.4 V= 62.424 / 2.5 W= .049010 / 2.8 T= 10.427 / 1.6 LAT==18.0 U= 55.765 / 5.3 V= 74.787 / 2.3 W= .281184 / 11.5 T= 36.067 / 8.6 LAT= 6.0 U= 55.762 / 5.4 V= 33.182 / 2.1 W= .362485 / 11.4 T= 55.6873 / 8.5 LAT= 6.0 U= 55.762 / 5.4 V= 33.182 / 2.2 W= .362485 / 11.4 T= 55.6873 / 8.5 LAT= 6.0 U= 41.024 / 5.2 V= 63.085 / 7.2 W= .380562 / 11.9 T= 72.717 / 8.4 LAT= 18.0 U= 41.024 / 5.2 V= 63.085 / 7.2 W= .387054 / 11.9 T= 54.583 / 9.8 LAT= 30.0 U= 36.69 / 5.0 V= 79.692 / 7.7 W= 17.7663 / 6.3 T= 20.787 / 11.8 T= 22.787 / 9.8 LAT= 30.0 U= 36.931 / 5.0 V= 79.692 / 7.7 W= 17.7663 / 6.3 T= 20.787 / 11.8 LAT= 42.0 U= 36.69 / 5.0 V= 79.692 / 7.7 W= 17.7663 / 6.3 T= 20.787 / 11.8 LAT= 60.0 U= 13.600 / 5.2 V= 48.945 / 9.5 W= .315380 / 6.3 T= 32.995 / 9.8 LAT= 60.0 U= 11.366 / 4.7 V= 29.367 / 10.4 W= .324540 / 6.8 T= 35.356 / 3.1 LAT= 60.0 U= 11.436 / 1.6 V= 18.643 / 3.4 W= .12600 / 3.7 S= 20.578 / 3.8 UAT= 72.0 U= 20.770 / 2.6 V= 29.262 / 4.6 W= .22250 / 4.3 T= 20.787 / 11.8 LAT= 60.0 U= 11.781 / 8.4 V= 10.000 / 6.6 W= .02233 / 11.9 T= 81.55 / 7.9 LAT= 70.0 U= 20.770 / 2.6 V= 29.438 / 5.3 W= .066323 / 11.9 T= 81.55 / 7.9 LAT= 70.0 U= 20.770 / 2.6 V= 29.438 / 5.3 W= .066323 / 11.9 T= 81.55 / 7.9 LAT= 70.0 U= 20.770 / 2.6 V= 29.438 / 5.3 W= .066323 / 11.9 T= 81.55 / 7.9 LAT= 70.0 U= 20.770 / 2.6 V= 29.663 / 1.8 W= .17799 / 1.9 T= 81.55 / 7.9 LAT= 70.0 U= 20.667 / 3.4 V= 22.665 / 5.3 W= .022339 / 3.6 T= 5.824 / 1.6 LAT= 70.0 U= 20.066 / 8.1 V= 22.665 / 5.8 V= 22.665 / 5.8 V= 22.665 / 5.8 V= 22.	١					-						
LAT==42.0 U= 12.047 / 9.5 V= 23.756 / 6.2 W= .094131 / 5.7 T= 17.373 / 2.6 LAT==48.0 U= 16.213 / 9.0 V= 22.715 / 5.5 W= .127724 / 5.3 T= 22.222 / 2.3 LAT==36.0 U= 14.915 / 8.0 V= 23.999 / 4.4 W= .149162 / 5.1 T= 24.853 / 2.1 LAT==36.0 U= 17.379 / 6.5 V= 31.984 / 3.4 W= .149236 / 5.0 T= 23.961 / 1.9 LAT==30.0 U= 26.584 / 5.7 V= 62.424 / 2.5 W= .112247 / 4.6 T= 18.993 / 1.4 LAT==24.0 U= 37.437 / 5.4 V= 62.424 / 2.5 W= .112247 / 4.6 T= 18.993 / 1.4 LAT==18.0 U= 47.130 / 5.3 V= 74.787 / 2.3 W= .129862 / 11.9 T= 16.655 / 9.3 LAT==12.0 U= 53.905 / 5.3 V= 78.257 / 2.2 W= 281184 / 11.5 T= 36.067 / 8.6 LAT= -6.0 U= 56.957 / 5.3 V= 78.257 / 2.2 W= 281184 / 11.5 T= 36.067 / 8.6 LAT= -6.0 U= 55.752 / 5.4 V= 33.182 / 2.9 W= .562478 / 11.4 T= 72.717 / 8.4 LAT= 12.0 U= 53.086 / 5.5 V= 35.117 / 4.2 W= .603132 / 11.4 T= 72.717 / 8.4 LAT= 12.0 U= 45.23 / 5.4 V= 41.029 / 6.2 W= .35362 / 11.6 T= 70.968 / 8.7 LAT= 13.0 U= 36.968 / 5.0 V= 79.699 / 7.2 W= .3870547 / 11.9 T= 54.553 / 9.8 LAT= 30.0 U= 36.968 / 5.0 V= 79.699 / 7.2 W= .387054 / 11.9 T= 54.553 / 9.8 LAT= 30.0 U= 36.968 / 5.0 V= 79.699 / 7.2 W= .387054 / 11.9 T= 54.553 / 9.8 LAT= 30.0 U= 36.968 / 5.0 V= 79.699 / 7.2 W= .387054 / 11.9 T= 54.553 / 9.8 LAT= 30.0 U= 36.968 / 5.0 V= 79.699 / 7.2 W= .387058 / 4.3 T= 22.769 / 5.2 V= 44.969 / 7.2 W= .387058 / 4.3 T= 22.769 / 5.2 V= 44.969 / 7.2 W= .387058 / 4.3 T= 22.769 / 5.2 V= 44.969 / 7.2 W= .387058 / 4.3 T= 22.769 / 5.2 V= 44.969 / 7.2 W= .387058 / 9.8 V= .38	1											
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LAT=-18.0 U= 37.437 / 5.4 V= 62.424 / 2.5 W= .049010 / 2.8 T= 10.427 / .1 LAT=-18.0 U= 47.130 / 5.3 V= 74.787 / 2.3 W= .129862 / 11.9 T= 16.665 / 9.3 LAT=-12.0 U= 53.905 / 5.3 V= 78.257 / 2.2 W= .281184 / 11.5 T= 36.067 / 8.6 LAT= -6.0 U= 56.987 / 5.3 V= 71.011 / 2.4 W= .440851 / 11.4 T= 56.873 / 8.5 LAT= 0.0 U= 55.782 / 5.4 V= 53.182 / 2.9 W= .562478 / 11.4 T= 72.717 / 8.4 LAT= 6.0 U= 51.224 / 5.5 V= 35.182 / 2.9 W= .562478 / 11.4 T= 72.717 / 8.4 LAT= 60.0 U= 45.523 / 5.4 V= 41.029 / 6.2 W= .535862 / 11.6 T= 70.968 / 8.7 LAT= 12.0 U= 45.523 / 5.4 V= 41.029 / 6.2 W= .535862 / 11.6 T= 70.968 / 8.7 LAT= 24.0 U= 38.686 / 5.0 V= 79.692 / 7.7 W= .177663 / 6 T= 32.985 / 9.8 LAT= 30.0 U= 36.931 / 5.0 V= 81.482 / 8.3 W= .106856 / 4.3 T= 20.787 / 11.8 LAT= 36.0 U= 31.820 / 5.1 V= 69.033 / 8.9 W= .250019 / 5.7 T= 28.255 / 1.5 LAT= 48.0 U= 11.586 / 4.7 V= 29.367 / 10.4 W= .324850 / 6.8 T= 35.356 / 3.1 LAT= 60.0 U= 11.586 / 4.7 V= 29.367 / 10.4 W= .324850 / 6.8 T= 35.356 / 3.8 LAT= 60.0 U= 31.436 / 1.6 V= 18.643 / 3.4 W= .183641 / 8.3 T= 22.776 / 4.3 LAT= 60.0 U= 27.499 / 2.0 V= 29.262 / 4.6 W= .229515 / 7.5 T= 33.425 / 3.8 LAT= 60.0 U= 18.581 / 8.8 V= 19.004 / 5.3 W= .066323 / 11.9 T= 8.155 / 7.9 Z= 129.367 KM LAT=-72.0 U= 18.581 / 8.8 V= 19.004 / 5.9 W= .02733 / 3.6 T= 28.225 / 4.7 LAT=-48.0 U= 11.791 / 8.4 V= 10.000 / 6.6 W= .020864 / 2.1 T= 2.891 / 5.5 LAT=-72.0 U= 20.566 / 8.1 V= 22.165 / 5.3 W= .006323 / 11.9 T= 8.155 / 7.9 Z= 129.367 KM LAT=-60.0 U= 18.581 / 8.8 V= 19.004 / 5.6 W= .02733 / 3.6 T= 5.824 / 1.6 LAT=-74.0 U= 19.390 / 7.5 V= 29.438 / 5.3 W= .007321 / 5.2 T= 11.341 / 2.3 LAT=-60.0 U= 18.581 / 8.8 V= 19.004 / 5.6 W= .007321 / 5.2 T= 11.341 / 2.3 LAT=-60.0 U= 2.986 / 8.6 V= 22.165 / 5.3 W= .007321 / 5.2 T= 11.341 / 2.3 LAT=-60.0 U= 2.986 / 8.6 V= 2.986 / 3.4 W= .17779 / 4.6 T= 19.792 / 1.8 LAT=-30.0 U= 2.066 / 8.1 V= 21.993 / 4.9 W= .10779 / 4.6 T= 19.792 / 1.8 LAT=-30.0 U= 2.986 / 8.6 V= 2.2165 / 5.3 W= .007321 / 5.2 T= 11.341 / 2.3 LAT=-60.0 U= 18.581 / 8.8 V= 19.004 / 5.6 W= .007321 / 5.2 T= 11.341 /	-	LAT=-30.0	U=	26.584 /	5.7	٧×	46.385 /	2.8	W=		T=	18.993 / 1.4
LAT=-6.0 U= 53.965 / 5.3 V= 78.257 / 2.2 W= 281188 / 11.5 T= 36.067 / 8.6 LAT=-6.0 U= 56.987 / 5.3 V= 71.011 / 2.4 W= .40851 / 11.4 T= 56.673 / 8.5 LAT= 0.0 U= 55.782 / 5.4 V= 53.182 / 2.9 W= .562478 / 11.4 T= 72.717 / 8.4 LAT= 66.0 U= 51.224 / 5.5 V= 35.117 / 4.2 W= .603132 / 11.4 T= 72.717 / 8.4 LAT= 62.0 U= 45.523 / 5.4 V= 41.029 / 6.2 W= .533862 / 11.6 T= 70.968 / 8.7 LAT= 18.0 U= 41.024 / 5.2 V= 63.085 / 7.2 W= .387054 / 11.9 T= 54.583 / 9.0 LAT= 24.0 U= 38.686 / 5.0 V= 79.692 / 7.7 W= .177663 / 6. T= 32.985 / 9.8 LAT= 36.0 U= 31.820 / 5.1 V= 69.033 / 8.9 W= .250019 / 5.7 T= 28.255 / 1.5 LAT= 42.0 U= 22.769 / 5.2 V= 48.945 / 9.9 W= .562478 / 11.9 T= 54.583 / 9.0 LAT= 36.0 U= 31.820 / 5.1 V= 69.033 / 8.9 W= .250019 / 5.7 T= 28.255 / 1.5 LAT= 42.0 U= 10.286 / 2.0 V= 14.261 / 4.4 W= .289515 / 7.5 T= 33.425 / 3.8 LAT= 66.0 U= 14.136 / 1.6 V= 18.643 / 3.4 W= .18364 / 8.3 T= 22.776 / 4.3 LAT= 66.0 U= 37.449 / 2.0 V= 29.262 / 4.6 W= .212602 / 8.3 T= 28.225 / 4.7 LAT= 78.0 U= 20.770 / 2.6 V= 29.438 / 5.3 W= .066323 / 11.9 T= 8.155 / 7.9 LAT=-78.0 U= 20.770 / 2.6 V= 29.438 / 5.3 W= .066323 / 11.9 T= 8.155 / 7.9 LAT=-80.0 U= 10.286 / 8.5 V= 14.815 / 5.9 W= .02738 / 3.6 T= 5.824 / 1.6 LAT=-78.0 U= 20.066 / 8.1 V= 23.979 / 4.9 W= .007321 / 5.2 T= 11.341 / 2.3 LAT=-60.0 U= 18.581 / 8.8 V= 19.004 / 5.6 W= .02738 / 3.6 T= 5.824 / 1.6 LAT=-78.0 U= 20.666 / 8.1 V= 23.979 / 4.9 W= .007321 / 5.2 T= 11.341 / 2.3 LAT=-60.0 U= 19.390 / 7.5 V= 25.635 / 4.2 W= .147708 / 4.3 T= 17.796 / 2.0 LAT=-34.0 U= 20.666 / 8.1 V= 23.979 / 4.9 W= .007321 / 5.2 T= 11.341 / 2.3 LAT=-36.0 U= 19.152 / 6.8 V= 29.268 / 3.4 W= .177708 / 4.3 T= 17.796 / 2.0 LAT=-34.0 U= 20.666 / 8.1 V= 23.979 / 4.9 W= .107179 / 4.6 T= 17.722 / 1.8 LAT=-78.0 U= 20.666 / 8.1 V= 23.979 / 4.9 W= .107179 / 4.6 T= 17.722 / 1.8 LAT=-36.0 U= 19.552 / 6.8 V= 29.669 / 6.8 V= 29.268 / 6.8 V= .02685 / 4.8 T= 17.796 / 2.0 LAT=-36.0 U= 19.552 / 6.8 V= 29.669 / 6.8 V= 29.268 / 6.8 V= .02685 / 4.8 T= 17.796 / 2.0 LAT=-30.0 U= 20.864 / 8.1 V= 23.979 / 4.9 W= .107179 / 4.6 T= 17.722 /	1	LAT=-24.0	U=	37.437 /	5.4	٧×	62.424 /	2.5	W =	.049010 / 2.8	T =	10.427 / .1
LATE -6.0 U = 56.957 / 5.3 V = 71.011 / 2.4 W = .440851 / 11.4 T = 56.873 / 8.5 LATE -0.0 U = 55.782 / 5.4 V = 53.182 / 2.9 W = .662478 11.4 T = 72.717 / 8.4 LATE 6.0 U = 51.224 / 5.5 V = 35.117 / 4.2 W = .603132 / 11.4 T = 78.251 / 8.5 LATE 12.0 U = 45.523 / 5.4 V = 41.029 / 6.2 W = .633862 / 11.6 T = 70.968 8.7 LATE 18.0 U = 41.024 / 5.2 V = 63.085 / 7.2 W = .8389054 / 11.9 T = 54.583 / 9.0 LATE 24.0 U = 38.686 / 5.0 V = 79.692 / 7.7 W = .177663 / .6 T = 32.985 / 9.8 LATE 30.0 U = 36.931 / 5.0 V = 81.482 / 8.3 W = .106856 / 4.3 T = 20.787 / 11.8 LATE 36.0 U = 31.820 / 5.1 V = 69.033 / 8.9 W = .250019 / 5.7 T = 28.255 / 1.5 LATE 42.0 U = 22.769 / 5.2 V = 48.945 / 9.5 W = .315380 / 6.3 T = 33.194 / 2.4 LATE 48.0 U = 11.586 / 4.7 V = 29.367 / 10.4 W = .324450 / 6.8 T = 35.356 / 3.1 LATE 60.0 U = 37.449 / 2.0 V = 29.262 / 4.6 W = .212602 / 8.3 T = 22.776 / 4.3 LATE 72.0 U = 30.541 / 2.4 V = 31.313 / 5.1 W = .099204 / 9.6 T = 13.598 / 5.8 LATE 78.0 U = 20.770 / 2.6 V = 29.438 / 5.3 W = .066323 / 11.9 T = 8.1555 / 7.9 Z = 129.367 KM LAT=-78.0 U = 11.791 / 8.4 V = 10.000 / 6.6 W = .020864 / 2.1 T = 2.891 / .5 LATE-48.0 U = 19.390 / 7.5 V = 22.165 / 5.3 W = .006927 / 4.3 T = 24.665 / 1.5 LATE-48.0 U = 19.390 / 7.5 V = 22.655 / 3.4 W = .17769 / 4.3 LATE-60.0 U = 29.566 / 8.6 V = 22.165 / 5.3 W = .006995 / 4.8 T = 17.796 / 2.0 LATE-24.0 U = 20.066 / 8.6 V = 22.165 / 5.3 W = .009095 / 4.8 T = 17.796 / 2.0 LATE-34.0 U = 20.066 / 8.8 V = 22.165 / 5.3 W = .009095 / 4.8 T = 17.796 / 2.0 LATE-34.0 U = 20.866 / 4.8 V = 22.165 / 5.3 W = .007374 / 4.5 T = .2891 / 5.5 LATE-20.0 U = 52.956 / 8.6 V = 22.165 / 5.3 W = .007374 / 4.5 T = .2891 / 5.5 LATE-24.0 U = .20.666 / 8.6 V = .22.165 / 5.3 W = .007374 / 4.5 T = .2891 / 5.5 LATE-24.0 U = .20.666 / 8.6 V = .22.165 / 5.3 W = .009095 / 4.8 T = .17.796 / 2.0 LATE-34.0 U = .20.666 / 8.6 V = .22.165 / 5.3 W = .007374 / 4.3 T = .24.665 / 1.5 LATE-24.0 U = .20.666 / 8.6 V = .22.165 / 5.3 W = .007374 / 4.5 T = .24.665 / 1.5 LATE-24.0 U = .20.666 / 8.6 V = .22.165 / 8.6 W = .007374 /	ł	LAT=-18.0	U=	47.130 /	5.3	V ≖	74.787 /	2.3	wi =	.129862 / 11.9	T =	16.565 / 9.3
LAT= 0.0 U= 55.782 / 5.4 V= 53.182 / 2.9 W= .562478 / 11.4 T= 72.717 / 8.4 LAT= 6.0 U= 51.224 / 5.5 V= 35.117 / 4.2 W= .603132 / 11.4 T= 72.717 / 8.4 LAT= 12.0 U= 45.523 / 5.4 V= 41.029 / 6.2 W= .535862 / 11.6 T= 70.968 / 8.7 LAT= 18.0 U= 41.024 / 5.2 V= 63.085 / 7.2 W= .387054 / 11.9 T= 54.583 / 9.0 LAT= 24.0 U= 38.686 / 5.0 V= 79.692 / 7.7 W= .177663 / .6 T= 32.985 / 9.8 LAT= 30.0 U= 36.931 / 5.0 V= 81.482 / 8.3 W= .106856 / 4.3 T= 20.787 / 11.8 LAT= 48.0 U= 11.586 / 4.7 V= 69.033 / 8.9 W= .250019 / 5.7 T= 28.255 / 1.5 LAT= 48.0 U= 11.586 / 4.7 V= 29.367 / 10.4 W= .324850 / 6.8 T= 33.194 / 2.4 LAT= 48.0 U= 11.586 / 4.7 V= 29.367 / 10.4 W= .289515 / 7.5 T= 33.425 / 3.8 LAT= 60.0 U= 37.449 / 2.0 V= 29.262 / 4.6 W= .212602 / 8.3 T= 22.776 / 4.3 LAT= 66.0 U= 37.449 / 2.4 V= 31.313 / 5.1 W= .099204 / 9.6 T= 13.598 / 5.8 LAT= 78.0 U= 20.770 / 2.6 V= 29.438 / 5.3 W= .066323 / 11.9 T= 8.155 / 7.9 Z= 129.367 KM LAT=-80.0 U= 11.791 / 8.4 V= 10.000 / 6.6 W= .022664 / 2.1 T= 2.891 / .5 LAT=-66.0 U= 18.581 / 8.8 V= 19.004 / 5.6 W= .022738 / 3.6 T= 5.824 / 1.6 LAT=-66.0 U= 19.390 / 7.5 V= 25.635 / 4.2 W= .147708 / 4.8 T= 17.7796 / 2.0 LAT=-54.0 U= 20.066 / 8.1 V= 23.979 / 4.9 W= .107179 / 4.6 T= 17.7796 / 2.0 LAT=-30.0 U= 19.152 / 6.8 V= 29.208 / 3.4 W= .107179 / 4.6 T= 17.7796 / 2.0 LAT=-30.0 U= 20.866 / 8.6 V= 29.208 / 3.4 W= .107179 / 4.6 T= 17.7796 / 2.0 LAT=-24.0 U= 9.152 / 6.8 V= 36.659 / 2.6 W= .17708 / 4.8 T= 17.7796 / 2.0 LAT=-24.0 U= 9.152 / 6.8 V= 36.659 / 2.6 W= .17709 / 4.8 T= 17.7796 / 2.0 LAT=-24.0 U= 9.152 / 6.8 V= 36.659 / 3.4 W= .17708 / 4.8 T= 17.796 / 2.0 LAT=-24.0 U= 9.152 / 6.8 V= 36.659 / 3.4 W= .17708 / 4.8 T= 17.796 / 2.0 LAT=-24.0 U= 9.152 / 6.8 V= 36.659 / 3.4 W= .17708 / 4.8 T= 17.796 / 2.0 LAT=-20.0 U= 20.066 / 8.1 V= 23.979 / 1.8 W= .17709 / 4.6 T= 11.723 / 3.9 / 3.6 W= .17709 / 4.8 W= .17709 / 4.	١					V =			W=	.281184 / 11.5	T=	36.067 / 8.6
LAT= 6.0 U= 51.224 / 5.5 V= 35.117 / A-2 W= .603132 / 11.4 T= 78.251 / 8.5 LAT= 12.0 U= 45.523 / 5.4 V= 41.029 / 6.2 W= .535862 / 11.6 T= 70.968 / 8.7 LAT= 18.0 U= 41.024 / 5.2 V= 63.085 / 7.2 W= .535862 / 11.6 T= 70.968 / 8.7 LAT= 18.0 U= 41.024 / 5.2 V= 63.085 / 7.2 W= .387054 / 11.9 T= 54.583 / 9.0 LAT= 24.0 U= 36.931 / 5.0 V= 79.692 / 7.7 W= .177663 / .6 T= 32.985 / 9.8 LAT= 30.0 U= 36.931 / 5.0 V= 81.482 / 8.3 W= .106856 / 4.3 T= 20.787 / 11.8 LAT= 36.0 U= 31.820 / 5.1 V= 69.033 / 8.9 W= .250019 / 5.7 T= 28.255 / 1.5 LAT= 42.0 U= 22.769 / 5.2 V= 48.945 / 9.5 W= .315380 / 6.3 T= 33.194 / 2.4 LAT= 48.0 U= 11.586 / 4.7 V= 29.367 / 10.4 W= .324450 / 6.8 T= 35.356 / 3.1 LAT= 66.0 U= 37.449 / 2.0 V= 29.367 / 10.4 W= .324450 / 6.8 T= 35.356 / 3.1 LAT= 66.0 U= 37.449 / 2.0 V= 29.262 / 4.6 W= .212602 / 6.3 T= 28.257 / 4.3 LAT= 72.0 U= 30.541 / 2.4 V= 31.313 / 5.1 W= .099204 / 9.6 T= 13.598 / 5.8 LAT= 78.0 U= 20.770 / 2.6 V= 29.438 / 5.3 W= .066323 / 11.9 T= 81.55 / 7.9 Z= 129.367 KM LAT=-78.0 U= 11.791 / 8.4 V= 10.000 / 6.6 W= .020664 / 2.1 T= 2.891 / .5 LAT=-72.0 U= 16.233 / 8.5 V= 14.815 / 5.9 W= .022738 / 3.6 T= 5.824 / 1.6 LAT=-54.0 U= 20.066 / 8.1 V= 22.165 / 5.3 W= .096692 / 4.8 T= 11.796 / 2.0 LAT=-54.0 U= 20.066 / 8.1 V= 22.165 / 5.3 W= .096695 / 4.8 T= 11.796 / 2.0 LAT=-54.0 U= 20.066 / 8.1 V= 22.165 / 5.3 W= .096695 / 4.8 T= 11.796 / 2.0 LAT=-54.0 U= 20.262 / 5.8 W= 36.659 / 2.2 U= 14.770 / 4.3 T= 22.698 / 9.5 LAT=-24.0 U= 37.105 / 4.8 V= 59.985 / 1.8 W= .11770 / 4.6 T= 17.796 / 2.0 LAT=-30.0 U= 20.577 / 4.8 V= 59.985 / 1.8 W= .11770 / 4.6 T= 17.796 / 9.5 LAT=-24.0 U= 37.105 / 4.8 V= 59.985 / 1.8 W= .11770 / 1.9 T= 16.722 / 11.8 LAT=-24.0 U= 51.313 / 4.7 V= 70.263 / 1.5 W= .315380 / 1.5 W= .11770 / 1.9 T= 16.722 / 11.8 LAT=-30.0 U= 20.064 / 4.8 V= 59.985 / 1.8 W= .11770 / 1.9 T= 16.722 / 11.8 LAT=-24.0 U= 37.057 / 4.8 V= 59.985 / 1.8 W= .11770 / 1.9 T= 16.722 / 11.8 LAT=-24.0 U= 37.057 / 4.8 V= 59.985 / 1.8 W= .11770 / 1.9 T= 16.722 / 11.5 LAT=-24.0 U= 37.057 / 4.8 V= 59.985 / 1.8 W= .11770 / 1.9 T= 16.7	Į											
LAT= 12.0 U= 45.523 / 5.4 V= 41.029 / 6.2 W= 515862 / 11.6 T= 70.968 / 8.7 LAT= 18.0 U= 41.024 / 5.2 V= 63.085 / 7.2 W= 330704 / 11.9 T= 54.583 / 9.0 LAT= 24.0 U= 38.686 / 5.0 V= 79.692 / 7.7 W= .177663 / .6 T= 32.995 / 9.8 LAT= 30.0 U= 36.931 / 5.0 V= 81.482 / 8.3 W= .106856 / 4.3 T= 20.787 / 11.8 LAT= 36.0 U= 31.820 / 5.1 V= 69.033 / 8.9 W= .250019 / 5.7 T= 28.255 / 1.5 LAT= 42.0 U= 22.769 / 5.2 V= 48.945 / 9.5 W= .315380 / 6.3 T= 33.194 / 2.4 LAT= 48.0 U= 11.586 / 4.7 V= 29.367 / 10.4 W= .324450 / 6.8 T= 35.356 / 3.1 LAT= 54.0 U= 10.286 / 2.0 V= 14.261 / .4 W= .229515 / 7.5 T= 33.425 / 3.8 LAT= 66.0 U= 37.449 / 2.0 V= 29.262 / 4.6 W= .212602 / 8.3 T= 22.776 / 4.3 LAT= 66.0 U= 37.449 / 2.4 V= 31.313 / 5.1 W= .099204 / 9.6 T= 13.598 / 5.8 LAT= 78.0 U= 20.770 / 2.6 V= 29.438 / 5.3 W= .066323 / 11.9 T= 8.155 / 7.9 T= 31.540 / 3.4 V= 10.000 / 6.6 W= .020864 / 2.1 T= 2.891 / 5.5 LAT=-78.0 U= 16.233 / 8.5 V= 14.815 / 5.9 W= .022738 / 3.6 T= 5.824 / 1.6 LAT=-66.0 U= 18.581 / 8.8 V= 19.004 / 5.6 W= .022738 / 3.6 T= 5.824 / 1.6 LAT=-66.0 U= 19.390 / 7.5 V= 22.653 / 4.9 W= .022738 / 3.6 T= 5.824 / 1.6 LAT=-60.0 U= 22.956 / 8.6 V= .22.165 / 5.3 W= .099204 / 9.6 T= 11.394 / 2.3 LAT=-60.0 U= 22.956 / 8.6 V= .22.165 / 5.3 W= .090895 / 4.8 T= 17.796 / 2.0 LAT=-30.0 U= 19.390 / 7.5 V= 25.635 / 4.9 W= .10779 / 4.6 T= 19.722 / 1.8 LAT=-30.0 U= 20.066 / 8.1 V= 23.939 / 4.9 W= .10779 / 4.6 T= 19.722 / 1.8 LAT=-30.0 U= 20.066 / 8.1 V= 23.208 / 3.4 W= .173705 / 4.1 T= 2.355 / 1.5 LAT=-24.0 U= 19.390 / 7.5 V= 25.635 / 4.9 W= .10779 / 4.6 T= 19.722 / 1.8 LAT=-30.0 U= 28.814 / 5.2 V= 47.936 / 2.1 W= .113705 / 4.1 T= 27.352 / 1.2 LAT=-30.0 U= 28.814 / 5.2 V= 47.936 / 2.1 W= .113705 / 4.1 T= 27.352 / 1.2 LAT=-20.0 U= 55.257 / 4.8 V= 59.985 / 1.8 W= .115770 / 1.9 T= 16.722 / 11.5 LAT=-20.0 U= 55.257 / 4.8 V= 59.985 / 1.8 W= .115770 / 1.9 T= 16.722 / 11.5 LAT=-20.0 U= 40.764 / 4.0 V= 70.263 / 1.5 W= .115770 / 1.9 T= 16.722 / 11.5 LAT=-20.0 U= 55.257 / 4.8 V= 59.985 / 1.8 W= .115770 / 1.9 T= 15.526 / 3.3 U= .11570 / 1.9 T= 15.526 / 3.3 U=	1	_										
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LAT= 42.0 U= 22.769 / 5.2 V= 48.945 / 9.5 W= .315380 / 6.3 T= 33.194 / 2.4 LAT= 48.0 U= 11.586 / 4.7 V= 29.367 / 10.4 W= .324450 / 6.8 T= 35.356 / 3.1 LAT= 54.0 U= 10.286 / 2.0 V= 14.261 / .4 W= .289515 / 7.5 T= 33.425 / 3.8 LAT= 66.0 U= 37.449 / 2.0 V= 18.643 / 3.4 W= .183641 / 8.3 T= 22.776 / 4.3 LAT= 66.0 U= 37.449 / 2.0 V= 29.262 / 4.6 W= .212602 / 8.3 T= 28.225 / 4.7 LAT= 72.0 U= 30.541 / 2.4 V= 31.313 / 5.1 W= .099204 / 9.6 T= 13.598 / 5.8 LAT= 78.0 U= 20.770 / 2.6 V= 29.438 / 5.3 W= .066323 / 11.9 T= 8.155 / 7.9 T= 8.156.0 U= 20.666 / 8.1 V= 29.438 / 5.9 W= .022738 / 3.6 T= 5.824 / 1.6 LAT=-72.0 U= 16.233 / 8.5 V= 14.815 / 5.9 W= .022738 / 3.6 T= 5.824 / 1.6 LAT=-60.0 U= 22.956 / 8.6 V= 22.165 / 5.3 W= .0047321 / 5.2 T= 11.341 / 2.3 LAT=-60.0 U= 22.956 / 8.6 V= 22.165 / 5.3 W= .0047321 / 5.2 T= 11.341 / 2.3 LAT=-60.0 U= 20.066 / 8.1 V= 23.979 / 4.9 W= .107179 / 4.6 T= 19.722 / 1.8 LAT=-38.0 U= 19.390 / 7.5 V= 25.635 / 4.2 W= .147708 / 4.3 T= 24.685 / 1.5 LAT=-32.0 U= 22.0562 / 5.8 V= 30.6699 / 2.6 W= .176937 / 3.8 T= 26.958 / 9.9 LAT==30.0 U= 28.814 / 5.2 V= 47.996 / 2.1 W= .151134 / 3.2 T= 23.358 / 5.5 LAT=-24.0 U= 37.105 / 4.8 V= 59.985 / 1.8 W= .15770 / 1.9 T= 16.722 / 11.5 LAT=-24.0 U= 37.105 / 4.8 V= 59.985 / 1.8 W= .15134 / 3.2 T= 23.358 / 5.5 LAT=-12.0 U= 51.313 / 4.7 V= 70.263 / 1.5 W= .133426 / 11.2 T= 31.536 / 8.4 LAT=-6.0 U= 54.972 / 4.8 V= 68.781 / 1.6 W= .17254 / 12.0 T= 17.283 / 9.5 LAT=-12.0 U= 51.313 / 4.7 V= 70.263 / 1.5 W= .133426 / 11.2 T= 31.536 / 8.4 LAT=-6.0 U= 55.257 / 4.8 V= 68.781 / 1.6 W= .17254 / 12.0 T= 17.283 / 9.5 LAT=-12.0 U= 51.313 / 4.7 V= 70.263 / 1.5 W= .133426 / 11.2 T= 31.536 / 8.4 LAT=-6.0 U= 54.972 / 4.8 V= 68.781 / 1.6 W= .17254 / 12.0 T= 17.283 / 9.5 LAT=-12.0 U= 54.000 / 4.8 V= 58.986 / 6.8 W= .33440 / 11.3 T= 55.434 / 8.4 LAT=-6.0 U= 54.000 / 4.8 V= 56.983 / 1.6 W= .17254 / 12.0 T= 17.283 / 9.5 LAT=-12.0 U= 54.000 / 4.8 V= 68.781 / 1.6 W= .17254 / 12.0 T= 17.283 / 9.5 LAT=-12.0 U= 40.000	1											
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LAT= 78.0 U= 20.770 / 2.6 V= 29.438 / 5.3 W= .066323 / 11.9 T= 8.155 / 7.9 Z= 129.367 KM LAT=-78.0 U= 11.791 / 8.4 V= 10.000 / 6.6 W= .020864 / 2.1 T= 2.891 / .5 LAT=-72.0 U= 16.233 / 8.5 V= 14.815 / 5.9 W= .022738 / 3.6 T= 5.824 / 1.6 LAT=-66.0 U= 18.581 / 8.8 V= 19.004 / 5.6 W= .047321 / 5.2 T= 11.341 / 2.3 LAT=-60.0 U= 22.956 / 8.6 V= 22.165 / 5.3 W= .096695 / 4.8 T= 17.796 / 2.0 LAT=-54.0 U= 20.066 / 8.1 V= 23.979 / 4.9 W= .107179 / 4.6 T= 19.722 / 1.8 LAT=-48.0 U= 19.390 / 7.5 V= 25.635 / 4.2 W= .147708 / 4.3 T= 24.685 / 1.5 LAT=-30.0 U= 22.062 / 5.8 V= 36.659 / 2.6 W= .176705 / 4.1 T= 27.352 / 1.2 LAT=-36.0 U= 22.062 / 5.8 V= 36.659 / 2.6 W= .176937 / 3.8 T= 26.958 / .9 LAT=-24.0 U= 37.105 / 4.8 V= 59.985 / 1.8 W= .115770 / 1.9 T= 16.722 / 11.5 LAT=-12.0 U= 51.313 / 4.7 V= 70.263 / 1.5 W= .115770 / 1.9 T= 16.722 / 11.5 LAT=-6.0 U= 54.972 / 4.7 V= 62.883 / 1.5 W= .172254 / 12.0 T= 17.283 / 9.5 LAT=-6.0 U= 52.456 / 4.8 V= 38.669 / 2.1 W= .172254 / 12.0 T= 17.283 / 9.5 LAT= 0.0 U= 52.456 / 4.8 V= 38.086 / 2.1 W= .478516 / 10.9 T= 50.126 / 8.0 LAT= 18.0 U= 48.299 / 4.8 V= 37.566 / 5.4 W= .622703 / 11.0 T= 65.521 / 7.9 LAT= 12.0 U= 48.109 / 4.8 V= 37.566 / 5.4 W= .622703 / 11.0 T= 68.588 / 8.0 LAT= 12.0 U= 42.223 / 4.4 V= 74.715 / 6.9 W= .276087 / 11.9 T= 36.974 / 9.1 LAT= 30.0 U= 42.223 / 4.4 V= 74.715 / 6.9 W= .276087 / 11.9 T= 36.974 / 9.1 LAT= 30.0 U= 42.223 / 4.4 V= 74.715 / 6.9 W= .276087 / 11.9 T= 36.974 / 9.1 LAT= 30.0 U= 36.903 / 4.4 V= 774.715 / 6.9 W= .236327 / 5.4 T= 33.136 / 1.4 LAT= 42.0 U= 30.220 / 4.6 V= 57.986 / 6.3 W= .236327 / 5.4 T= 33.136 / 1.4 LAT= 42.0 U= 30.220 / 4.6 V= 56.454 / 8.4 W= .326327 / 5.4 T= 33.136 / 1.4 LAT= 42.0 U= 30.020 / 4.6 V= 56.454 / 8.4 W= .326338 / 7.5 T= 26.269 / 3.3 LAT= 66.0 U= 27.619 / 1.5 V= 16.149 / 4.0 W= .319498 / 7.7 T= 32.859 / 4.0 LAT= 72.0 U= 22.987 / 2.0 V= 21.685 / 4.4 W= .326338 / 7.5 T= 26.269 / 3.3 LAT= 60.0 U= 66.693 / 2.3 V= 4.744 / 1.3 W= .363338 / 7.5 T= 26.269 / 3.3 LAT= 60.0 U= 27.619 / 1.5 V= 16.149 / 4.0 W= .319498 / 7.7 T= 32.859 / 4.0 LAT	1											
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	-		-									
LAT= /8.0 0= 19.763 / 2.2 V= 22.449 / 4.4 W= .08/169 / 11.2 Te 7.910 / 7.1	-		_			-						
	1	LAT= 78.0	U=	15.763 /	2.2	V =	22.446 /	4.4	M =	.08/169 / 11.2	₹.	1.910 / 7.1

Table B4. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 135.169	KM											
LAT=-78.0	U=	11.473 /	7.2	٧×	8.940 /	5.2	W=	.015275 /	1.4	T =	3.012 /	. 6
LAT=-72.0	U=	16.057 /	7.3	V×	14.452 /	4.6	W=	.023287 /	3.3	T=	7.049 /	1.2
LAT=-66.0	Ų=	18.447 /	7.5	V *	19.273 /	4.4	W=	.057905 /	4.4	T =	13.259 /	1.5
LAT=-60.0	บ≖	23.136 /	7.4	V×	23.611 /	4.0	₩≖	.105938 /	4.0	T =	19.805 /	1.3
LAT=-54.0	U=	22.871 /	6.7	V=	26.979 /	3.6	W=	.126443 /	3.8	T=	22.192 /	1.1
LAT=-48.0	U≠	23.938 /	6.3	V=	30.201 /	3.1	W=	.173754 /	3.4	T=	26.999 /	. 9
LAT=-42.0	U≃	24.913 /	5.8	V=	34.097 /	2.5	W=	.206089 /	3.2	Tπ	29.732 /	. 7
LAT=-36.0	Ü=	27.214 /	5.3	٧×	40.776 /	1.9	W=	.213082 /	3.0	T=	29.634 /	. 4
LAT=-30.0	Ü=	31.906 /	4.8	٧×	49.211 /	1.4	w=	.199621 /	2.3	T=	26.613 / 1	11.9
LAT=-24.0	Ū=	37.763 /	4.5	٧×	57.868 /	1.1	W=	.176336 /		T=	20.621 / 1	
LAT=-18.0	Ū=	43.998 /	4.4	v=	63.688 /	. 9	W=	.217722 /		To	16.156 /	9.6
LAT=-12.0	UΞ	49.465 /	4.3	V =	63.373 /	.8	W=	.342559 /		T=	25.151 /	8.1
LAT= -6.0	Ų=	53.274 /	4.3	V =	55.682 /	. 9	W=	.507204 /		T-	40.860 /	7.5
LAT= 0.0	U=	54.560 /	4.3	V=	40.922 /	1.3	W=	.651303 /		T=	55.359 /	7.3
LAT= 6.0	U=	53.200 /	4.3	V=	26.437 /	2.7	W=	.727851 /		T=	63.543 /	7.3
LAT= 12.0	U=	49.871 /	4.2	V =	33.847 /	4.6	W=	.697592 /		Ť=	61.845 /	7.5
LAT= 18.0	U=	46.760 /	4.1	V=	52.190 /	5.6	W=	.569834 /		Ť=	52.051 /	7.8
LAT= 24.0	U=	45.041 /	4.0	V=	69.748 /	6.2	W=	.369354 /		T=	36.454 /	8.5
	U=	43.606 /	3.9			6.7	W=	.193249 /	1.0	T=		9.9
LAT= 30.0	U≠	40.245 /	4.0	V= V≈	76.851 / 73.453 /	7.2		.232625 /	3.4	T=	24.159 / 25.355 / 1	
LAT= 36.0			4.1	V =			₩= ₩=		4.5	T=		.8
LAT= 42.0	U=	35.331 /		-	61.575 /	7.6		.327832 /			31.390 /	_
LAT= 48.0	υ≖	25.636 /	4.1	V=	46.668 /	8.1	W=	.385038 /	5.4	T=	35.041 /	1.6
LAT= 54.0	U≠	13.175 /	3.6	V=	29.246 /	8.8	w =	.417383 /		T=	36.788 /	2.3
LAT= 60.0	U=	6.828 /	4.0	V =	10.768 /	9.4	W =	.339714 /	6.9	T =	28.221 /	2.7
LAT= 66.0	U=	20.375 /	1.2	V =	5.358 /	3.0	W =	.426934 /		T=	35.137 /	3.5
LAT= 72.0	U=	17.607 /	1.7	V =	13.971 /	3.5	M=	.205398 /	8.4	T =	16.361 /	4.4
LAT= 78.0	U≂	11.714 /	1.9	٧×	17.981 /	3.4	W =	.101816 /	10.7	T =	7.388 /	6.6
LAT= 78.0 Z= 141.772		11.714 /	1.9	٧±	17.981 /	3.4	₩=	.101816 /	10.7	T#	7.388 /	6.6
Z= 141.772		11.714 /	6.2	V= V=	17.981 /		W=	.005504 /		T# T=	7.388 / 2.862 /	
	км				10.715 /	3.4 3.8 3.4		.005504 /	11.9			6.6 .5
Z= 141.772 LAT=-78.0 LAT=-72.0	KM U=	12.939 / 18.353 /	6.2 6.2	V = V =	10.715 / 17.135 /	3.8	W = W =	.005504 / .023219 /	11.9	T≖	2.862 / 7.435 /	. 5
Z= 141.772 LAT=-78.0 LAT=-72.0 LAT=-66.0	KM U= U=	12.939 / 18.353 / 21.900 /	6.2	٧×	10.715 / 17.135 / 22.628 /	3.8 3.4 3.3	W =	.005504 / .023219 / .072916 /	11.9	T= T=	2.862 /	.5
Z= 141.772 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0	KM U= U= U= U=	12.939 / 18.353 / 21.900 / 26.832 /	6.2 6.2 6.4 6.3	V = V = V =	10.715 / 17.135 / 22.628 / 27.426 /	3.8 3.4 3.3 3.1	W = W = W =	.005504 / .023219 / .072916 / .124951 /	11.9 3.3 3.7 3.3	T= T= T=	2.862 / 7.435 / 14.408 / 20.928 /	.5
Z= 141.772 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0	KM U= U= U= U=	12.939 / 18.353 / 21.900 / 26.832 / 28.333 /	6.2 6.2 6.4 6.3 5.8	V = V = V = V = V = V = V = V =	10.715 / 17.135 / 22.628 / 27.426 / 31.476 /	3.8 3.4 3.3 3.1 2.7	W = W = W = W = W =	.005504 / .023219 / .072916 / .124951 / .148680 /	11.9 3.3 3.7 3.3 3.0	T= T= T= T=	2.862 / 7.435 / 14.408 / 20.928 / 23.692 /	.5 .8 .9 .8
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Z= 141.772 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-48.0 LAT=-42.0 LAT=-36.0	KM U= U= U= U= U= U=	12.939 / 18.353 / 21.900 / 26.832 / 28.333 / 30.232 / 31.300 / 32.217 /	6.2 6.4 6.3 5.8 5.5 4.9	V * V = V = V = V = V = V = V = V = V =	10.715 / 17.135 / 22.628 / 27.426 / 31.476 / 34.972 / 38.704 / 43.420 /	3.8 3.4 3.3 3.1 2.7 2.3 1.8	W = W = W = W = W = W = W = W = W = W =	.005504 / .023219 / .072916 / .124951 / .148680 / .204050 / .239836 / .249371 /	11.9 3.3 3.7 3.3 3.0 2.7 2.4 2.1	T= T= T= T= T= T=	2.862 / 7.435 / 14.408 / 20.928 / 23.692 / 28.081 / 30.522 / 30.290 /	.5 .8 .9 .8 .7 .4
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Z= 141.772 LAT=-78.0 LAT=-66.0 LAT=-66.0 LAT=-60.0 LAT=-48.0 LAT=-48.0 LAT=-48.0 LAT=-36.0 LAT=-24.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-16.0	KM	12.939 / 18.353 / 21.900 / 26.832 / 28.333 / 30.232 / 31.300 / 32.217 / 35.109 / 38.861 / 43.162 / 47.860 / 51.519 /	6.2 6.4 6.3 5.5 5.5 4.5 4.0 3.9	V = V = V = V = V = V = V = V = V = V =	10.715 / 17.135 / 17.135 / 22.628 / 27.426 / 31.476 / 38.704 / 43.420 / 43.420 / 55.658 / 59.345 / 49.77 /	3.8 3.4 3.3 3.1 2.7 2.3 1.8 1.3 .8 .5		.005504 / .023219 / .072916 / .124951 / .148680 / .204050 / .239836 / .249371 / .246008 / .231729 / .259855 / .373891 /	11.9 3.3 3.7 3.3 3.0 2.7 2.4 2.1 1.6 .7 11.5	T= T= T= T= T= T= T= T= T=	2.862 / 7.435 / 14.408 / 20.928 / 23.692 / 28.081 / 30.522 / 30.522 / 27.498 / 20.679 / 14.030 / 18.773 / 32.368 /	.5 .8 .9 .8 .7 .4 .2 12.0 11.6 11.0 9.7
Z= 141.772 LAT=-78.0 LAT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-48.0 LAT=-36.0 LAT=-36.0 LAT=-34.0 LAT=-34.0 LAT=-12.0 LAT=-12.0 LAT=-10.0	KM	12.939 / 18.353 / 21.900 / 26.832 / 28.333 / 30.232 / 31.300 / 32.217 / 35.109 / 43.162 / 47.860 / 51.519 / 53.099 /	66.438529521098 6.355544.233.85	V * V = V = V = V = V = V = V = V = V =	10.715 / 17.135 / 22.628 / 22.628 / 27.426 / 31.476 / 34.972 / 43.420 / 43.420 / 49.610 / 55.658 / 59.345 / 57.775 / 49.947 / 36.105 /	3.8 3.4 3.3 3.1 2.7 2.3 1.8 1.3 .5 .3 .2		.005504 / .023219 / .072916 / .124951 / .148680 / .204050 / .239836 / .249371 / .246008 / .231729 / .231729 / .373891 / .532233 / .682007 /	11.9 3.3 3.7 3.3 3.0 2.7 2.4 2.1 1.6 7 11.6 10.5	T= T= T= T= T= T= T= T= T= T=	2.862 / 7.435 / 14.408 / 20.928 / 23.692 / 30.522 / 30.290 / 1 27.498 / 1 20.679 / 1 14.030 / 18.773 / 32.368 / 45.886 /	.5 .8 .9 .8 .7 .4 .2 11.6 11.0 7.8 7.8
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Z= 141.772 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-48.0 LAT=-48.0 LAT=-42.0 LAT=-42.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-6.0 LAT= -6.0 LAT= -6.0 LAT= 6.0 LAT= 12.0	KM ====================================	12.939 / 18.353 / 21.900 / 26.832 / 28.333 / 30.232 / 31.300 / 32.217 / 35.109 / 38.861 / 43.162 / 47.860 / 51.519 / 53.099 / 52.638 /	66.43855.2952109897	V * V = V = V = V = V = V = V = V = V =	10.715 / 17.135 / 17.135 / 22.628 / 27.426 / 31.476 / 38.704 / 43.420 / 43.420 / 55.658 / 59.345 / 59.345 / 49.947 / 36.105 / 22.418 / 28.854 /	3.8 3.4 3.3 3.1 2.3 1.8 1.3 .5 .3 .2 .3 6.0	**************************************	.005504 / .023219 / .072916 / .124951 / .148680 / .239836 / .249371 / .246008 / .231729 / .259855 / .373891 / .532233 / .682007 / .771189 /	11.9 3.3 3.7 3.0 2.7 2.4 1.6 7 110.5 10.1 9.8 10.0	T= T= T= T= T= T= T= T= T= T= T=	2.862 / 7.435 / 14.408 / 20.928 / 23.692 / 30.522 / 30.522 / 30.522 / 30.679 / 14.030 / 18.773 / 32.368 / 45.886 / 54.096 / 54.256 /	.5 .8 .9 .8 .7 .4 2.0 6 11.0 7 .8 6.8 7.0
Z= 141.772 LAT=-78.0 LAT=-66.0 LAT=-66.0 LAT=-66.0 LAT=-48.0 LAT=-42.0 LAT=-36.0 LAT=-30.0 LAT=-24.0 LAT=-12.0	KM	12.939 / 18.353 / 21.900 / 26.832 / 28.333 / 30.232 / 31.300 / 32.217 / 35.162 / 47.860 / 47.860 / 51.519 / 53.099 / 52.638 / 50.187 / 48.134 /	6.224385529521098976	V * V = V = V = V = V = V = V = V = V =	10.715 / 17.135 / 22.628 / 27.426 / 31.476 / 34.972 / 38.972 / 38.972 / 49.610 / 55.658 / 59.345 / 57.775 / 36.105 / 22.418 / 46.744 /	3.8 3.4 3.3 3.1 2.7 2.3 1.8 5.3 .6 2.0 4.1 5.0		.005504 / .023219 / .072916 / .124951 / .148680 / .204050 / .239836 / .249371 / .246008 / .231729 / .259855 / .373891 / .532233 / .682007 / .771189 / .760077 /	11.9 3.3 3.7 3.3 3.0 2.7 2.4 1.6 7 11.4 10.5 10.1 9.8 9.8 10.0	T= T= T= T= T= T= T= T= T= T= T=	2.862 / 7.435 / 14.408 / 20.928 / 23.692 / 30.522 / 30.290 / 127.498 / 14.030 / 18.773 / 14.036 / 54.036 / 54.036 / 54.036 /	.58 .98 .74 .2.0 111.0 77.8 111.0 77.8 66.8 77.2
Z= 141.772 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-69.0 LAT=-48.0 LAT=-42.0 LAT=-36.0 LAT=-36.0 LAT=-18.0 LAT=-18.0 LAT=-12.0 LAT=-12.0 LAT=-18.0	KM ====================================	12.939 / 18.353 / 21.900 / 26.832 / 28.333 / 30.232 / 31.300 / 32.217 / 35.109 / 38.861 / 47.860 / 51.519 / 53.099 / 52.638 / 50.187 / 48.753 /	6.224385.5295210989766 6.555544.210989766	V = V = V = V = V = V = V = V = V = V =	10.715 / 17.135 / 22.628 / 27.426 / 31.476 / 34.972 / 43.420 / 43.420 / 49.610 / 55.658 / 55.658 / 57.775 / 49.947 / 22.418 / 22.418 / 28.767 /	3.8 3.4 3.1 2.7 2.8 1.3 8.5 3.2 3.6 0.0 1.0 5.5	**************************************	.005504 / .023219 / .072916 / .124951 / .148680 / .204050 / .239836 / .249371 / .246008 / .231729 / .259855 / .373891 / .682007 / .771189 / .7651160 /	11.9 3.3 3.7 3.3 3.0 2.7 2.1 1.6 10.5 10.1 9.8 10.0 10.0	T= T	2.862 / 7.435 / 14.408 / 20.928 / 23.692 / 30.522 / 30.522 / 30.290 / 1 27.498 / 1 14.030 / 18.773 / 32.368 / 54.036 / 54.036 / 54.036 / 54.036 / 54.566 /	.58.98 .89.88 .74.20.0111.09.77.88 .80.77.99
Z= 141.772 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-48.0 LAT=-42.0 LAT=-36.0 LAT=-24.0 LAT=-18.0 LAT=-12.0 LAT=-6.0 LAT= 6.0 LAT= 12.0 LAT= 18.0 LAT= 13.0	KM	12.939 / 18.353 / 21.900 / 26.832 / 28.333 / 30.232 / 31.300 / 32.217 / 35.109 / 35.109 / 51.519 / 53.099 / 52.638 / 48.134 / 46.113 /	6.2443852952109897665 5.554444333333333333333333333333333333	V = V = V = V = V = V = V = V = V = V =	10.715 / 17.135 / 17.135 / 22.628 / 27.426 / 31.476 / 38.704 / 43.420 / 49.610 / 55.658 / 59.345 / 49.947 / 36.105 / 49.818 / 22.418 / 22.418 / 22.513 /	3.8 3.4 3.3 2.7 2.3 1.3 .8 .5 3.6 0 4.1 5.5 6.0	**************************************	.005504 / .023219 / .072916 / .124951 / .148680 / .239836 / .249371 / .246008 / .231729 / .259855 / .373891 / .532233 / .682007 / .771189 / .760077 / .651160 / .458524 /	11.9 3.3 3.7 3.3 3.0 2.7 2.4 2.1 1.6 10.1 9.8 10.0 10.3 10.3	T= T	2.862 / 7.435 / 14.408 / 20.928 / 23.692 / 30.522 / 30.522 / 30.522 / 30.679 / 14.030 / 18.773 / 32.368 / 45.886 / 54.256 / 46.609 / 33.556 / 22.429 /	.55 .88 .74 .20 .111.60 .77 .66.88 .77 .9.3
Z= 141.772 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-42.0 LAT=-36.0 LAT=-36.0 LAT=-30.0 LAT=-30.0 LAT=-12.0 LAT=-13.0 LAT=-30.0 LAT=-30.0 LAT=-30.0	KM	12.939 / 18.353 / 21.900 / 26.832 / 28.333 / 30.232 / 31.300 / 32.217 / 38.861 / 43.162 / 47.860 / 51.519 / 53.099 / 52.638 / 46.753 / 48.134 / 46.753 / 42.031 /	6.22438529521098976656 6.55554444333333333333333333333333333333	V = V = V = V = V = V = V = V = V = V =	10.715 / 17.135 / 22.628 / 27.426 / 31.476 / 34.972 / 38.704 / 43.420 / 49.610 / 55.658 / 59.345 / 57.775 / 36.105 / 22.418 / 46.744 / 63.767 / 72.513 / 72.482 /	3.8 3.4 33.1 2.7 2.8 1.3 8.5 2.3 6.0 1.0 5.5 6.5	**************************************	.005504 / .023219 / .072916 / .124951 / .148680 / .204050 / .239836 / .249371 / .246008 / .231729 / .259855 / .373891 / .682007 / .771189 / .651160 / .458524 /	11.9 3.3 3.7 3.3 3.0 2.7 2.4 2.1 1.67 11.4 10.5 19.8 9.8 10.0 10.3 10.9 2.3	T = T = T = T = T = T = T = T = T = T =	2.862 / 7.435 / 14.408 / 20.928 / 23.692 / 30.522 / 30.290 / 127.498 / 14.030 / 18.773 / 14.036 / 45.886 / 54.256 / 46.609 / 33.556 / 22.429 / 23.576 /	.55 .89 .98 .74 .20 111.66 .80 .70 .70 .90 .80 .90 .90 .90 .90 .90 .90 .90 .90 .90 .9
Z= 141.772 LAT=-78.0 LAT=-76.0 LAT=-66.0 LAT=-66.0 LAT=-48.0 LAT=-48.0 LAT=-48.0 LAT=-36.0 LAT=-36.0 LAT=-18.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-13.0 LAT=-13.0 LAT=-30.0 LAT=-42.0	KM U=	12.939 / 18.353 / 21.900 / 28.332 / 28.333 / 30.232 / 31.300 / 32.217 / 35.109 / 47.860 / 51.519 / 52.638 / 50.187 / 46.753 / 46.753 / 45.113 / 42.031 / 38.418 /	66.66.55.54.4.4.09.897.665.67	V * V = V = V = V = V = V = V = V = V =	10.715 / 17.135 / 22.628 / 21.426 / 31.476 / 34.972 / 43.420 / 43.420 / 49.610 / 55.658 / 55.658 / 57.775 / 49.947 / 22.418 / 28.854 / 63.767 / 72.513 / 72.402 /	3.433.1738 33.22.11 	**************************************	.005504 / .023219 / .072916 / .124951 / .148680 / .204050 / .239836 / .249371 / .246008 / .231729 / .259855 / .373891 / .532233 / .682007 / .771189 / .760077 / .651160 / .458524 / .277499 / .255852 / .3739012 /	11.9 3.3 3.7 3.3 3.0 2.7 2.1 1.67 10.5 10.5 10.9 2.3 3.7	T= T	2.862 / 7.435 / 14.408 / 20.928 / 23.692 / 23.522 / 30.290 / 14.030 / 14.030 / 14.030 / 14.036 / 54.096 / 54.256 / 22.429 / 23.576 / 22.429 / 23.576 / 129.317 / 120.679 / 120.6	
Z= 141.772 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-36.0 LAT=-36.0 LAT=-12.0 LAT=-12.0 LAT=-6.0 LAT= 12.0 LAT= 12.0 LAT= 12.0 LAT= 13.0 LAT= 14.0 LAT= 36.0 LAT= 36.0 LAT= 36.0 LAT= 36.0 LAT= 36.0 LAT= 36.0	U= U	12.939 / 18.353 / 21.900 / 26.832 / 28.333 / 30.232 / 31.300 / 32.217 / 35.109 / 35.109 / 51.519 / 52.638 / 52.638 / 44.860 / 48.134 / 46.753 / 46.753 / 48.134 / 45.113 / 42.031 / 38.418 /	6666555544.4.9.9.8.9.7.665676	V = V = V = V = V = V = V = V = V = V =	10.715 / 17.135 / 17.135 / 22.628 / 27.426 / 31.476 / 38.704 / 43.420 / 43.420 / 455.658 / 59.345 / 49.947 / 36.105 / 49.947 / 36.3767 / 72.418 / 22.418 / 22.418 / 24.610 / 25.658 / 59.345 / 46.744 / 63.767 / 72.513 / 72.482 / 64.022 / 55.097 /	3.84333.17383.22.36010505050505050505050505050505050505050	**************************************	.005504 / .023219 / .023219 / .124951 / .148680 / .239836 / .249371 / .246008 / .231729 / .259855 / .373891 / .771189 / .760077 / .651160 / .458524 / .277499 / .255852 / .329012 / .395789 /	11.9 3.3 3.7 3.3 3.07 2.4 2.1 1.7 11.4 10.1 9.8 10.0 10.3 10.3 10.2 2.3 4.7	T= T	2.862 / 7.435 / 14.408 / 20.928 / 23.692 / 30.522 / 30.522 / 30.522 / 30.679 / 14.030 / 18.773 / 32.368 / 45.886 / 54.256 / 46.609 / 33.5566 / 22.429 / 23.576 / 29.317 / 29.31824 /	.58 .742.06 .12.06 .111.09.78 .77.99.31 .1.10
Z= 141.772 LAT=-78.0 LAT=-76.0 LAT=-66.0 LAT=-66.0 LAT=-48.0 LAT=-42.0 LAT=-42.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-12.0 LAT=-12.0	U= U	12.939 / 18.353 / 21.900 / 26.832 / 28.333 / 31.300 / 32.217 / 38.861 / 43.162 / 47.860 / 53.099 / 52.638 / 46.113 / 46.753 / 42.031 / 38.418 / 29.31 / 38.418 / 21.6.731 /	666655554444333333333333333333333333333	V = V = V = V = V = V = V = V = V = V =	10.715 / 17.135 / 22.628 / 27.426 / 31.476 / 34.972 / 38.704 / 43.420 / 49.610 / 59.345 / 59.345 / 59.345 / 59.345 / 61.05 / 22.418 / 63.767 / 72.513 / 72.482 / 64.022 / 59.36.168 /	3.84 33.17 22.88 3.60 1.05 5.05 6.50 7.51	**************************************	.005504 / .023219 / .072916 / .124951 / .148680 / .249371 / .246008 / .231729 / .259855 / .373891 / .532233 / .682007 / .771189 / .251160 / .458524 / .277499 / .255852 / .329012 / .3957891 /	11.9 3.3 3.3 3.0 2.7 2.4 2.1 1.6 10.5 19.8 9.8 10.3 10.9 2.3 3.7 4.6	T = T = T = T = T = T = T = T = T = T =	2.862 / 7.435 / 14.408 / 20.928 / 23.692 / 30.522 / 30.522 / 30.522 / 30.523 / 14.030 / 18.773 / 14.030 / 18.773 / 45.886 / 54.256 / 46.609 / 33.556 / 46.609 / 33.576 / 23.576 / 23.576 / 23.576 / 33.824 / 36.940 /	. 58 . 98 . 74 2.0607 111197.808 877.93111.108
Z= 141.772 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-36.0 LAT=-36.0 LAT=-12.0 LAT=-12.0 LAT=-6.0 LAT= 12.0 LAT= 12.0 LAT= 12.0 LAT= 13.0 LAT= 14.0 LAT= 36.0 LAT= 36.0 LAT= 36.0 LAT= 36.0 LAT= 36.0 LAT= 36.0	U= U	12.939 / 18.353 / 21.900 / 26.832 / 28.333 / 30.232 / 31.300 / 32.217 / 35.109 / 35.109 / 51.519 / 52.638 / 52.638 / 44.860 / 48.134 / 46.753 / 46.753 / 48.134 / 45.113 / 42.031 / 38.418 /	666655544444533333333333333333333333333	V = V = V = V = V = V = V = V = V = V =	10.715 / 17.135 / 22.628 / 22.628 / 31.476 / 34.972 / 43.420 / 43.420 / 49.610 / 55.658 / 59.345 / 57.775 / 49.947 / 22.418 / 22.418 / 28.854 / 63.767 / 72.513 / 72.513 / 72.513 / 64.022 / 52.097 / 36.168 /	3.84333.17383.22.36010505050505050505050505050505050505050	**************************************	.005504 / .023219 / .072916 / .124951 / .148680 / .204050 / .239836 / .249371 / .246008 / .231729 / .373891 / .33233 / .682007 / .771189 / .760077 / .651160 / .458524 / .277499 / .255852 / .329012 / .346911 / .400028 /	11.9 3.3 3.7 3.3 3.0 2.7 2.1 1.67 10.5 10.9 2.3 3.7 4.7 6.4	T= T	2.862 / 7.435 / 14.408 / 20.928 / 23.692 / 30.522 / 30.290 / 1 27.498 / 14.030 / 14.030 / 14.036 / 45.886 / 54.096 / 45.866 / 45.866 / 22.429 / 33.556 / 22.429 / 23.576 / 1 23.576 / 1 29.317 / 36.940 / 29.533 /	. 58 . 98 . 74 . 22 . 111.07 . 70 . 88 . 77 . 93 . 11.10 . 11.
Z= 141.772 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-48.0 LAT=-36.0 LAT=-24.0 LAT=-12.0 LAT=-12.0 LAT=-6.0 LAT=-12.0 LAT=-12.0 LAT=-36.0 LAT=-42.0 LAT=-54.0 LAT=-54.0 LAT=-54.0 LAT=-54.0 LAT=-54.0 LAT=-56.0	U= U	12.939 / 18.353 / 21.900 / 26.832 / 28.333 / 31.300 / 32.217 / 38.861 / 43.162 / 47.860 / 53.099 / 52.638 / 46.113 / 46.753 / 42.031 / 38.418 / 29.31 / 38.418 / 21.6.731 /	666655554444333333333333333333333333333	V = V = V = V = V = V = V = V = V = V =	10.715 / 17.135 / 17.135 / 22.628 / 27.426 / 31.476 / 38.704 / 43.420 / 49.610 / 55.658 / 59.345 / 59.345 / 59.345 / 22.418 / 22.418 / 22.418 / 22.482 / 64.022 / 64.022 / 64.022 / 56.168 / 18.856 / 18.856 / 18.856 / 2.362 /	3.43.17383.8532.36010505050505050505050505050505050505050	**************************************	.005504 / .023219 / .072916 / .124951 / .148680 / .249371 / .246008 / .231729 / .259855 / .373891 / .532233 / .682007 / .771189 / .251160 / .458524 / .277499 / .255852 / .329012 / .3957891 /	11.9 3.3 3.7 3.3 3.0 2.4 2.1 1.7 10.1 9.8 10.3 10.3 10.3 10.3 10.2 2.3 7 4.7 5.6 6.0	Te T	2.862 / 7.435 / 14.408 / 20.928 / 23.692 / 30.522 / 30.522 / 30.522 / 14.030 / 18.773 / 18.773 / 18.368 / 45.886 / 54.096 / 54.256 / 46.609 / 23.576 / 23.3576 / 29.3124 / 36.940 / 36.	.58.99 .74.20.77 .111.077.088 .77.09.31 .10.81 .10.81
Z= 141.772 LAT=-78.0 LAT=-66.0 LAT=-66.0 LAT=-66.0 LAT=-42.0 LAT=-42.0 LAT=-36.0 LAT=-24.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-30.0	U= U	12.939 / 18.353 / 21.900 / 26.832 / 28.333 / 30.232 / 31.300 / 32.217 / 35.169 / 43.162 / 47.860 / 51.519 / 51.519 / 52.638 / 50.187 / 46.753 / 46.753 / 45.113 / 46.753 / 45.113 / 40.031 / 38.418 / 29.483 / 16.731 / 10.206 /	666655544444533333333333333333333333333	V = V = V = V = V = V = V = V = V = V =	10.715 / 17.135 / 22.628 / 22.628 / 31.476 / 34.972 / 43.420 / 43.420 / 49.610 / 55.658 / 59.345 / 57.775 / 49.947 / 22.418 / 22.418 / 28.854 / 63.767 / 72.513 / 72.513 / 72.513 / 64.022 / 52.097 / 36.168 /	3.43.1.73.8 3.3.2.73.8 3.60.1.05.05.05.16 3.60.1.05.05.16	**************************************	.005504 / .023219 / .072916 / .124951 / .148680 / .204050 / .239836 / .249371 / .246008 / .231729 / .373891 / .33233 / .682007 / .771189 / .760077 / .651160 / .458524 / .277499 / .255852 / .329012 / .346911 / .400028 /	11.9 3.3 3.3 3.0 2.4 2.1 1.6 7 11.4 10.5 10.9 2.3 3.7 4.6 6.4 7.9	T= T	2.862 / 7.435 / 14.408 / 20.928 / 23.692 / 30.522 / 30.290 / 1 27.498 / 14.030 / 14.030 / 14.036 / 45.886 / 54.096 / 45.866 / 45.866 / 22.429 / 33.556 / 22.429 / 23.576 / 1 23.576 / 1 29.317 / 36.940 / 29.533 /	.58.98.74.20.60.77.00.20.111.00.00.20.111.00.00.20.111.00.00.20.111.00.00.20.111.00.00.20.111.00.00.20.111.00.00.20.111.00.00.20.111.00.00.20.111.00.00.20.111.00.00.20.111.00.00.20.111.00.00.00.20.111.00.20.111.00.00.20.111.00.00.20.111.00.00.20.111.00.00.20.111.00.00.20.111.00.00.20.111.00.00.20.111.00.20.

Table B4. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

									
Z= 149.425	KM								
LAT=-78.0	U≠	15.177 /	5.5 V	/=	14.810 / 3.0	W =	.009107 / 7.5	T=	1.860 / 11.8
LAT=-72.0	U=	21.420 /	5.6 V	/=	21.512 / 2.7	W=	.025690 / 3.9	T=	6.190 / .1
LAT=-66.0	U≖	26.385 /		/*	27.610 / 2.5	W=	.083776 / 3.3		13.634 / .3
LAT=-60.0	Ü=	31.931 /		/=	32.429 / 2.3	W=	.138953 / 2.6		20.132 / .2
LAT=-54.0	Ű≠	33.486 /		/=	35.944 / 2.0	W=	.165829 / 2.4		22.774 / .1
LAT=-48.0	Ū=	35.699 /		/=	38.998 / 1.7	W=	.230102 / 2.0		26.215 / 11.9
LAT=-42.0	Ű=	36.435 /		/=	41.596 / 1.2	W=	.271251 / 1.7		28.314 / 11.7
LAT=-36.0	Ü⇒	35.971 /		/2	45.063 / .7	W=	.282486 / 1.4		28.295 / 11.5
LAT=-30.0	Ű=	37.399 /		/ =	49.173 / .3	w=	.290155 / .9		24.906 / 11.2
LAT=-24.0	υ×	39.263 /		/=	53.249 / 12.0	W=	.283159 / .1		18.524 / 10.6
LAT=-18.0	U=	41.901 /		, ~ / =	55.257 / 11.7	W=	.306533 / 11.0		10.662 / 9.3
	-	45.734 /			53.035 / 11.6		.405544 / 10.2		14.867 / 7.2
LAT=-12.0	U= U=			/ =		₩≖			
LAT= -6.0		49.027 /		/=	45.499 / 11.6	W=	.555928 / 9.6		26.846 / 6.4
LAT= 0.0	U≖	50.720 /		/ =	32.766 / 11.9	W=	.710050 / 9.4		39.083 / 6.2
LAT= 6.0	U=	50.735 /		/=	20.002 / 1.2	W =	.814329 / 9.4		47.251 / 6.2
LAT= 12.0	U=	49.401 /		=	24.973 / 3.4	W=	.820109 / 9.6		48.079 / 6.4
LAT= 18.0	U=	47.845 /		/ ±	41.181 / 4.4	W =	.723097 / 9.9		41.693 / 6.7
LAT= 24.0	U≈	46.794 /		/=	57.492 / 4.9	W=	.546776 / 10.4		30.010 / 7.3
LAT= 30.0	U=	45.049 /		/=	66.781 / 5 .3	W=	.364976 / 11.5		19.399 / 8.7
LAT= 36.0	υ=	42.114 /		/ =	68.427 / 5.9	W=	.291493 / 1.3		20.116 / 10.7
LAT= 42.0	U=	39.521 /	3.3 V	/=	62.888 / 6.4	W=	.354701 / 2.7	' T=	26.768 / 11.7
LAT= 48.0	U=	31.278 /	3.3 V	<i> </i> =	53.583 / 6.9	₩=	.392138 / 3.9) T=	31.490 / .6
LAT= 54.0	U=	18.476 /	3.2 V	/=	40.340 / 7.4	W=	.458308 / 5.1	T=	36.358 / 1.4
LAT= 60.0	U=	13.021 /	4.3 V	/ *	24.205 / 8.0	W≔	.439707 / 5.7	' T=	30.054 / 1.6
LAT= 66.0	บ=	11.943 /	.6 V	<i>j</i> =	7.231 / 8.8	₩ =	.597944 / 6.5	T=	35.275 / 2.6
LAT= 72.0	U≠	10.813 /	1.5 V	/=	7.811 / .9	W=	.297125 / 7.3	T=	15.596 / 3.4
LAT= 78.0	U=	5.695 /	1.9 V	/ ×	17.584 / 1.2	W=	.116413 / 9.4	T=	6.057 / 5.7
Z= 158.420	KM								
LAT=-78.0	U=	16.588 /	5.1 V	/=	19.359 / 2.5	W =	.022671 / 6.9) T=	1.419 / 9.3
LAT=-72.0	U=	23.011 /	5.1 V	/ E	25.536 / 2.3	W =	.032425 / 4.6	T=	4.540 / 10.8
LAT=-66.0	Ü=	29.031 /	5.2 V	/=	31.093 / 2.1	₩±	.085284 / 3.2	T=	11.236 / 11.4
LAT=-60.0	Ū≖	34.613 /		/ =	35.450 / 1.9	w=	.139320 / 2.3		17.090 / 11.5
LAT=-54.0	υ=	36.190 /		/=	38.451 / 1.6	W=	.171048 / 1.8		19.574 / 11.5
LAT=-48.0	Ū=	38.535 /		/=	40.668 / 1.2	W=	.250141 / 1.4		23.162 / 11.3
LAT=-42.0	Ū=	38.803 /		/=	42.572 / .7	W=	.300391 / 1.1		24.499 / 11.1
LAT=-36.0	Ŭ≖	37.098 /		/=	44.706 / .3	W=	.316042 / .7		22.922 / 10.9
LAT=-30.0	U=	37.656 /		/ =	47.360 / 11.8	W=	.336864 / .2		20.466 / 10.5
LAT=-24.0	υ≠	38.583 /	-	/=	50.039 / 11.5	W=	.340196 / 11.5		14.634 / 9.9
LAT=-18.0	U=	39.367 /		/ = / =	50.999 / 11.2	W=	.364035 / 10.7		9.087 / 8.3
	U=			/ = / =	48.546 / 11.0	W=	.449848 / 9.9		14.425 / 6.5
LAT=-12.0	-	42.148 /							
LAT= -6.0	U=	45.196 /		/=	41.543 / 11.0	W=	.591417 / 9.3		25.207 / 5.6
LAT= 0.0	U=	47.301 /		=	30.345 / 11.4	W=	.747720 / 9.1		37.045 / 5.5
LAT= 6.0	บ=	47.583 /		/=	18.860 / .6	W =	.851248 / 9.0		43.374 / 5.6
LAT= 12.0	U =	46.720 /		=	22.065 / 2.7	W =	.870461 / 9.2		44.071 / 5.8
LAT= 18.0	U=	45.477 /		/=	36.699 / 3.7	W=	.789639 / 9.5		38.639 / 6.0
LAT= 24.0	U =	44.429 /		/=	51.408 / 4.3	W =	.631257 / 10.1		27.885 / 6.6
	U=	43.170 /		=	60.462 / 4. 8	W =	.460640 / 11.0		16.804 / 7.6
LAT= 30.0		40.821 /	2.3 V	/=	63.059 / 5.3	W =	.375187 / .5	T=	16.227 / 10.1
	υ=				59.376 / 5.8	w=	.408968 / 1.8	1 T=	22.784 / 11.4
LAT= 30.0 LAT= 36.0 LAT= 42.0	ນ≖ U=	39.346 /	2.9 V	/≖					
LAT= 36.0 LAT= 42.0	U=	39.346 /		/ = / =		W=	.417037 / 3.0	T=	29.698 / .:
LAT= 36.0 LAT= 42.0 LAT= 48.0	U= U≈	39.346 / 31.862 /	2.9 V	/=	51.866 / 6.3	W = W =	.417037 / 3.0		
LAT= 36.0 LAT= 42.0 LAT= 48.0 LAT= 54.0	U= U≈ U≈	39.346 / 31.862 / 19.304 /	2.9 V 2.9 V	/ = / =	51.866 / 6 .3 40.933 / 6 .9	W=	.461782 / 4.3	T=	34.700 / 1.0
LAT= 36.0 LAT= 42.0 LAT= 48.0 LAT= 54.0 LAT= 60.0	U= U= U≈ U=	39.346 / 31.862 / 19.304 / 14.666 /	2.9 V 2.9 V 4.0 V	/ = / = / z	51.866 / 6.3 40.933 / 6.9 27.176 / 7.4	W= W≃	.461782 / 4.3 .470118 / 5.2	T=	34.700 / 1.0 29.389 / 1.2
LAT= 36.0 LAT= 42.0 LAT= 48.0 LAT= 54.0 LAT= 60.0 LAT= 66.0	U= U≈ U≈ U= V=	39.346 / 31.862 / 19.304 / 14.666 / 9.155 /	2.9 V 2.9 V 4.0 V	/ = / = / z / s	51.866 / 6.3 40.933 / 6.9 27.176 / 7.4 10.433 / 8.2	₩ = ₩ = ₩ =	.461782 / 4.3 .470118 / 5.2 .658139 / 6.0	T= T= T=	34.700 / 1.0 29.389 / 1.2 33.533 / 2.3
LAT= 36.0 LAT= 42.0 LAT= 48.0 LAT= 54.0 LAT= 60.0	U= U= U≈ U=	39.346 / 31.862 / 19.304 / 14.666 /	2.9 V 2.9 V 4.0 V .3 V 1.6 V	/ = / = / z	51.866 / 6.3 40.933 / 6.9 27.176 / 7.4	W= W≃	.461782 / 4.3 .470118 / 5.2	T= T= T=	34.700 / 1.0 29.389 / 1.2

Table B4. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

·									
Z= 181.310	KM								
LAT=-78.0	Ų ≈	14.852 / 4	1.6 v≈	23.834 / 2.0	W =	.043712 / 6.6	T =	4.338 /	7.7
LAT=-72.0	U±		1.4 V=	26.996 / 1.7	W=	.049116 / 5.5	T =	8.395 /	8.3
LAT=-66.3	U=	,	1.4 V=	30.151 / 1.4	W=	.041296 / 3.3	T=	12.576 /	8.8
LAT=-60.0	U=		1.2 V=	32.910 / 1.1	W =	.089049 / 1.0	T=	16.344 /	9.0
LAT=-54.0	U=		3.9 v=	35.057 / .7	W=	.160251 / .2	T =	16.335 /	9.2
LAT=-48.0	U =	,	3.7 V=	36.748 / .3	W =	.289342 / 12.0	T =	18.874 /	9.3
LAT=-42.0	∪ =		3.6 V=	37.765 / 11.9	W =	.372531 / 11.7	T =	19.654 /	9.2
LAT=-36.0	U=		3.5 V=	38.916 / 11.4	W =	.412734 / 11.3	T =	18.432 /	8.9
LAT=-30.0	U=		3.3 V≃	39.523 / 10.9	W =	.455643 / 10.9	T=	18.120 /	8.4
LAT=-24.0	U=		3.1 V=	40.077 / 10.5	W =	.475181 / 10.4	T =	17.070 /	7.7
LAT = - 18.0	U=		3.0 V=	40.071 / 10.3	W=	.491306 / 9.8	7=	17.625 /	6.7
LAT=-12.0	U =		2.8 V=	37.406 / 10.1	W =	.550943 / 9.2	Ţ=	22.191 /	5.8
LAT= -6.0	U =		2.7 V=	31.526 / 10.2	W =	.659418 / 8.6	Ţ=	29.809 /	5.2
LAT= 0.0	U=		2.5 V=	23.554 / 10.6	W =	.801668 / 8.3	T=	38.146 /	5.0
LAT= 6.0	U=		2.4 V=	17.873 / 11.9	W'≃	.916083 / 8.3	T =	43.758 /	4.9
LAT= 12.0	J=		2.2 V=	22.912 / 1.6	W =	.953997 / 8.4	T=	44.869 /	5.0
LAT= 18.0	U:		2.0 V=	34.340 / 2.4	W=	.905046 / 8.7	T =	40.263 /	5.2
LAT= 24.0	U=		2.0 V=	45.575 / 2.9	W =	.793913 / 9.3	T =	30.314 /	5.6
LAT = 30.0	U=		.9 V=	52.413 / 3.4	M =	.658995 / 10.2	T=	19.388 /	6.4
LAT= 36.0	U=		.9 V=	54.040 / 3.9	W =	.604332 / 11.4	T =	12.260 /	8.1
LAT= 42.0	U=		2.1 V=	50.186 / 4.4	W =	.648629 / .5	T =	13.876 /	
LAT= 48.0	U=		2.1 V=	44.195 / 5.0	₩=	.619439 / 1.5	T =	20.044 /	
LAT= 54.0	U =		2.1 V=	36.083 / 5.6	M =	.587627 / 2.7	T=	28.390 /	. 6
LAT= 60.0	U =		3.5 V=	25.983 / 6.3	W=	.592066 / 3.8	T =	24.797 /	. 5
LAT= 66.0	U =	6.027 / 11		12.222 / 7.1	W=	.797999 / 5.0	T=	27.635 /	1.8
LAT = 72.0	U=		.7 V=	9.390 / 10.1	W=	.420930 / 5.7	7=	12.646 /	2.3
LAT= 78.0	U=	3.743 / 3	3.1 V=	21.550 / 11.2	W=	.187029 / 7.4	T =	3.190 /	4.0
Z= 209.865	км								
LAT=-78.0	Ų=	10.683 / 3	3.7 V=	21.816 / 1.6	W=	.050274 / 6.4	T =	4.565 /	8.0
LAT=-72.0	U≃	12.677 / 3	3.2 V=	21.825 / 1.1	W =	.074295 / 6.0	T =	10.761 /	8.2
LAT=-66.0	U=	15.786 / 3	3.0 V=	23,091 / .6	W =	.058007 / 6.6	T =	19.569 /	в. 1
LAT=-60.0	U=	19.905 / 2	2.9 V=	25.144 / .3	W=	.071381 / 9.8	Τ=	25.296 /	8.0
LAT=-54.0	U=	22.902 / 2	2.5 V=	27.130 / 11.8	W =	.188621 / 10.6	T≠	25.334 /	8.0
LAT=-48.0	U=	26.921 / 2	1.5 V=	29.192 / 11.3	W=	.362633 / 10.8	T =	25.846 /	8 1
LAT=-42.0	U =	26.771 / 2	1.4 V=	30.438 / 10.9	W =	.482442 / 10.7	T =	27.042 /	7.9
LAT = -36.0	() =	22.751 / 2	1.2 V=	31.151 / 10.4	W =	.552367 / 10.3	T =	29.159 /	7.6
LAT=-30.0	U =	23.224 / 2	2.2 v=	31.627 / 10.1	W=	.597461 / 10.0	T =	28.822 /	7.3
LAT = -24.0	U≠	23.032 / 2	?.1 V=	31.218 / 9.7	w =	.608919 / 9.7	T=	29.172 /	6.9
LAT=-18.0	U =	23.431 / 2	2.0 V=	29.933 / 9.4	W =	.603079 / 9.1	T =	30.715 /	6.4
LAT=-12.0	U=	25.326 / 2	.0 v=	27.061 / 9.3	W =	.623367 / 8.6	T =	33.149 /	5.9
LAT= -6.0	U =	27.003 / 1	.9 ∵=	21.636 / 9.5	W =	.693446 / 8. 1	T =	37.139 /	5.4
LAT = 0.0	U≖	28.283 / 1	.7 V=	14.949 / 10.3	w =	.810725 / 7.7	T =	42.514 /	5.0
LAT= 6.0	U=	29.000 / 1	.5 ∨≖	16.178 / 12 9	W =	.907461 / 7.7	T=	47.662 /	4.9
AT= 12.0	U=		.2 v=	26.016 / 1.1	₩=	.961168 / 7.9	T =	49.813 /	4.9
LAT= 18.0	Ū=		.0 %=	37.511 / 1.6	w =	.944504 / 8.3	T=	47.345 /	5.0
LAT= 24.0	U =		. 0 V =	48.189 / 2.0	₩≠	.864467 / 8.9	T =	39.379 /	5.3
LAT= 30.0	U≃	36.101 /	.9 v=	54.858 / 2.4	W =	.794773 / 9.8	T =	29.964 /	5.9
LAT= 36.0	Ū=		.0 v=	56.3 6 / 2.8	w =	.793335 / 10.9	T≖	21.617 /	6.7
LAT= 42.0	Ü=		.3 V=	53.038 / 3.2	W =	.924875 / 11.9	T =	12.243 /	8.3
LAT= 48.0	Ū=		.4 V=	45.809 / 3.7	w =	.943479 / .8	T=	11.936 /	
LAT= 54.0	U =		.4 v=	36,101 / 4,3	W =	.860139 / 1.8	T =	20.869 /	2
LAT= 60.0	ŬΞ		2.8 V=	25.656 / 5.0	w=	.796160 / 3.1	T=	18.495 /	
LAT= 66.0	Ū=).6 V=	11.655 / 6.0		1.007991 / 4.3	T =	21.424 /	1.5
LAT= 72.0	Ü≖		.8 v≠	10.841 / 9.3	₩=	.552786 / 4.9	T=	11.502 /	1.7
LAT - 78.0	Ū=		1.4 V=	25.269 / 10.4	W=	.273698 / 6.7	T=	2.987 /	2.6
	U -	<u> </u>	V =	23.203 / 10.4	₩-	.2/3030 / 0.7		4.90/ /	2.0

Table B4. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From $78^{\rm O}{\rm S}$ to $78^{\rm O}{\rm N}$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

z= 240.988	KM								
AT=-78.0	U=		2.9 V		W=			r= 4.074	
.AT=-72.0	U≉		2.0 V:		按프	.129853 /	6.0	r= 10.29;	7/8.
AT=-66.0	U=	15.917 /	1.6 V:	17.668 / 12.0	W=	.166079 /	6.5	[= 20.44]	7/8.
AT=-60.0	U≖	20.707 /	1.5 V		W=	.144112 /	7.7	T= 28.01	7/8.
AT=-54.0	U=	25.069 /	1.3 V	24.459 / 10.9	W=	.202327 /	9.5	r= 30.26	5/7.
AT=-48.0	U≠	28.144 /	1.6 V	27.147 / 10.5	₩≈	.399930 / 1	0.3	r= 31.31;	3 / 7.
AT=-42.0	U=	27.952 /	1.5 V	28.542 / 10.1	M =	.541496 / 1	0.2	T= 33.96	1 / 7.
AT=-36.0	Ų≖	25.072 /	1.1 V		w=	.619509 /	9.8	r= 38.700	
AT=-30.0	U=	23.968 /	1.2 V	27.756 / 9.4	w=	.665931 /	9.6	T= 38.470	7.
AT=-24.0	U≖	23.080 /	1.2 V:	26.320 / 8.9	W=	.665555 /	9.3	T= 38.669	9 / 6.
AT=-18.0	U=	22.623 /	1.1 V:	23.771 / 8.6	W=		8.8	7= 40.26	6 / 6.
AT=-12.0	U=	23.208 /	1.1 V	19.649 / 8.6	W=	.625628 /	8.1	r= 41.276	5 / 5.
AT= -6.0	U=	24.011 /	1.0 V	13.790 / 8.9	₩±	.661152 /	7.5	T= 43.389	
AT= 0.0	U=	25.340 /	1.0 V		₩≠	.757294 /		r= 47.420	
AT= 6.0	U=	26.508 /	.7 V		W=			r= 52.03	
AT= 12.0	Ü=	28.831 /	.5 V		₩≃	.869090 /		T= 54.684	
AT= 18.0	Ü=	32.055 /	.3 V		w=	.832093 /		T= 53.208	
AT= 24.0	Ü=	35.264 /	.3 V		W=	.805755 /		r= 46.709	
AT= 30.0	Ü=	38.554 /	.4 v		W=			T= 38.49	
AT= 36.0	Ü=	40.506 /	.6 V		Wz	.879353 / 1		T= 30.02	
AT= 42.0	U≖	41.057 /	.9 V			1.142068 / 1		Γ= 16.600	
AT= 48.0	U≃		1.1 V:			1.211718 /		8.95	
AT= 54.0	U*		1.0 V			1.126934 /			4 / 11.
	U≖		2.2 V						
AT= 60.0	-				W=	.964519 /			! / 11.
AT= 66.0	U≠		9.0 y:			1.176823 /		17.804	
AT= 72.0	U=		1.8 V		₩≖	.642373 /		[= 11.13	
AT= 78.0	U=	2.552 /	3.6 V	27.576 / 10.1	W=	.357940 /	6.5	r= 3.34	1 / 1.
272.801	KM								
AT=-78.0	U≖	6.640 / 3	2.4 V	14.835 / 1.6	W=	.124430 /	5.7	T= 4.123	3 / 9.
AT=-72.0	U=	11.636 /	1.3 V:		W=	.200501 /	6.0	* 9.955	
AT=-66.0	U=	17.593 /	.9 V:		W=		6.3 1	19.924	
AT=-60.0	U=	23.233 /	.9 V		W=		6.9	T= 28.105	
AT=-54.0	U≖	28,463 /	.9 V		W=			r= 31.800	
AT=-48.0	Ū=		1.2 y		W=			= 32.916	
AT=-42.0	Ŭ≖		1.1 V:		M=			× 36.779	
AT=-36.0	Ū=	29.315 /	.7 V		W=			T= 44.515	
AT=-30.0	U=	27.195 /	.7 y		W=			= 43.370	
AT=-24.0	U≈	25.552 /	.7 V		W=			43.66	
AT=-18.0	U=	24.647 /	.6 V		W=			= 45.08	
AT=-12.0	U=	24.261 /	.6 V		W=			T= 45.279	
	U=	24.503 /	.5 V	_ ,				T= 45.27	
AT= -6.0	U=				W=				
AT= 0.0	-	25.356 /			W=		_		
AT= 6.0	U=	27.184 /	.2 V:		W=			= 54.514	
AT= 12.0	U=	29.760 / 1:			W=			57.419	
AT= 18.0	U≖	33.436 / 1			W=			56.73 9	
AT= 24.0	U=	36.976 / 13			W=			= 50.790	
AT= 30.0	U=	40.775 /	.2 V		W=			= 43.074	
AT= 36.0	U=	43.001 /	.4 V		W=	.892085 / 1		35.083	
AT= 42.0	U≠	42.750 /	.8 V:			1.284221 / 1		× 20.067	
AT= 48.0	U=	35.453 /	.9 V			1.408546 /		r= 8.754	
AT= 54.0	U≖	20.220 /	.9 V	45.410 / 3.3	W =				7 / 11.
AT= 60.0	U≠		1.9 V:	31.427 / 3.9	₩±	1.078865 /			3 / 11.
AT= 66.0	U≡		8.7 V		W =			r= 16.131	
		4 040 /		44 507 / 0 0	1-1-	C70047 /	4		. / .
AT= 72.0	U=	1.813 /	1.8 V:	11.527 / 8.8	₩=	.679817 /	4.5	r= 10.962	≥ / 1.

Table B4. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 304.762	KM							
LAT=-78.0	υ=	5.562 / 1.8	٧×	12.290 / 1.7	₩≃	.176168 /		T= 4.410 / 9.7
LAT=-72.0	U≖	12.197 / .9	V =	9.343 / .4	W=	.269789 /	6.0	T= 9.922 / 9.1
LAT=-66.0	U=	19.497 / .5	V»	13.005 / 11.1	W=	.405863 /	6.2	T= 19.453 / 8.5
LAT=-60.0	U=	25,192 / .6	V =	18.878 / 10.4	W=	.383159 /	6.6	T= 27.423 / 8.2
LAT=-54.0	U=	29.691 / .6	V *	24.287 / 10.1	₩≖	.231184 /	7.5	T= 31.499 / 7.9
LAT=-48.0	U=	32.373 / .9	V =	27.253 / 9.8	₩=	.342987 /	9.4	T= 33.564 / 7.7
LAT=-42.0	U≖	32.884 / .9	V =	28.285 / 9.5	₩≠	.477954 /	9.6	T= 38.248 / 7.4
LAT=-36.0	U =	31.895 / .5	V =	28.160 / 9.0	W=	.516623 /	9.1	T= 46.105 / 7.1
LAT=-30.0	U≖	29.554 / .5	V×	26.615 / 8.7	Wa	.584209 /	8.9	T= 44.985 / 6.8
LAT=-24.0	U≖	27.635 / .5	V =	24.046 / 8.3	₩=	.576662 /	8.5	T= 45.146 / 6.5
LAT=-18.0	U=	26.423 / .4	V =	20.054 / 7.8	W=	.533833 /	7.9	T= 46.371 / 6.3
LAT=-12.0	U=	25.416 / .4	V×	14.454 / 7.5	M=	.531444 /	7.1	T= 46.164 / 5.9
LAT= ~6.0	U=	25.361 / .2	V≥	6.895 / 7.2	W×	.595021 /	6.3	T= 47.882 / 5.5
LAT≃ 0.0	U≃	26.144 / 12.0	V×	3.525 / .5	W=	.707554 /	5.8	T= 50.946 / 5.3
LAT= 6.0	U≖	27.772 / 11.9	V =	15.908 / .7	M=	.751090 /	5.8	T= 55.479 / 5.1
LAT= 12.0	Ų=	30.570 / 11.8	V =	29.840 / .9	₩=	.696315 /		T= 58.619 / 5.0
LAT= 18.0	U=	34.553 / 11.7	V =	43.075 / 1.1	W=	.550436 /		T= 58.167 / 5.1
LAT= 24.0	U=	38.170 / 11.9	V≖	55.680 / 1.3	W=	.466527 /		T= 52.333 / 5.3
LAT= 30.0	U=	42.317 / .1	V =	65.082 / 1.5	₩≖	.602915 /		T= 44.855 / 5.7
LAT≠ 36.0	U=	44.857 / .3	V =	69.996 / 1.8	W=	.866810 /		T= 37.039 / 6.3
LAT= 42.0	U=	44.515 / .7	V =	67.744 / 2.2	₩≖	1.394910 /		T= 21.499 / 7.0
LAT= 48.0	U≖	36.834 / .9	V =	60.266 / 2.6				T= 8.892 / 8.6
LAT= 54.0	U=	20.950 / 9	V=	49.220 / 3.2	W=	1.501066 /		T= 12.938 / 11.7
LAT= 60.0	U=	11.237 / 1.7	V =	33.391 / 3.8	W=	1.142942 /	_	T= 13.888 / 11.0
LAT= 66.0	U=	11.196 / 6	V=	13.533 / 4.7	₩=	1.359420 /		T= 15.572 / 1.2
LAT= 72.0	U=	1.870 / 1.7	V×	11.736 / 8.9	W=	.700602 /		T* 10.874 / 1.3
LAT= 78.0	U=	1.9 / 3.8	٧×	29.873 / 10.0	M=	.463291 /	6.5	T= 3.703 / 1.7
Z= 336.754	KM							
LAT=-78.0	U=	4.859 / 1.6	V =	11.480 / 1.9	W =	.225768 /		T= 4.696 / 9.9
LAT=-72.0	U=	12.337 / .7	V ≠	8.281 / .4	₩≠	.337681 /		T= 10.104 / 9.3
LAT=-66.0	U=	20.110 / 3	V =	12.060 / 10.9	M=	.523252 /		T= 19.497 / 8.7
LAT=-60.0	U=	2 353 / .4	V =	18.521 / 10.2	W =	.516267 /		T= 27.505 / 8.3
LAT=-54.0	U=	31.793 / .5	V =	24.107 / 9.9	W =	.327224 /		T= 31.797 / 7.9
LAT=-48.0	U=	33.650 / .8	V =	27.550 / 9.6	W =	.311254 /		T= 33.813 / 7.7
LAT=-42.0	U =	34.021 / .8	V =	28.773 / 9.4	W=	.409040 /		T= 38.522 / 7.4
LAT=-36.0	U=	33.562 / .3	V =	28.151 / 9.0	W=	.431583 /		T= 46.667 / 7.1
LAT=-30.0	U=	31.064 / .4	V =	26.670 / 8.5	W×	.506682 /		T= 45.627 / 6.8
LAT=-24.0	U=	28.973 / .4	V = V =	23.808 / 8.0	W=	.498657 /		T= 45.880 / 6.5 T= 47.459 / 6.2
LAT=-18.0		27.605 / .2 26.371 / .2	-	19.563 / 7.6	W =	.466876 /		
LAT=-12.0	U= U=		V≖ V=	13.809 / 7.1	W=	.514571 /		T= 47.426 / 5.9 T= 48.665 / 5.5
LAT= -6.0 LAT= 0.0	υ= υ=	26.149 / .1 26.819 / 11.9	V ≠ V =	6.243 / 6 .6 4.483 / 1. 5	W=	.623897 /		
LAT= 0.0 LAT= 6.0	U=	28.540 / 11.8	V =		₩=	.764463 /		T= 51.810 / 5.3 T= 56.464 / 5.1
LAT= 0.0	U≒	31,418 / 11.7	٧×	16.754 / .9 30.943 / .8	W=	.794222 / .692141 /		T= 50.464 / 5.1
LAT= 12.0	U=	35.385 / 11.7	V±	44.390 / 1.0	W=	.444503 /		T= 59.734 / 5.0
L# [= O.U	U≠	39.036 / 11.8	V =	57.212 / 1.2	W=	.260776 /		T= 53.684 / 5.4
	U=	43.467 / 12.0	V =	67.106 / 1.5	W =	.482018 /		T= 53.064 / 5.4 T= 46.361 / 5.7
LAT= 24.0			V =	72.525 / 1.7	W≈	.847899 /		T= 38.156 / 6.3
LAT= 24.0 LAT= 30.0								30.130 / 6.3
LAT= 24.0 LAT= 30.0 LAT= 36.0	υ=	46.328 / .2		70.686 / 2.1	14 ±	1.497956 /	11.9	T= 22.179 / 6 Q
LAT= 24.0 LAT= 30.0 LAT= 36.0 LAT= 42.0	U=	46.328 / .2 45.738 / .7	V =	70.686 / 2.1	₩= ₩=			T= 22.179 / 6.9 T= 8.815 / 8.4
LAT= 24.0 LAT= 30.0 LAT= 36.0 LAT= 42.0 LAT= 48.0	υ=	46.328 / .2 45.738 / .7 37.973 / .9	V = V =	62.958 / 2.5	W =	1.725374 /	. 4	T= 8.815 / 8.4
LAT= 24.0 LAT= 30.0 LAT= 36.0 LAT= 42.0 LAT= 48.0 LAT= 54.0	∩ = Ω =	46.328 / .2 45.738 / .7	V =	62.958 / 2.5 50.721 / 3.1	W =	1.725374 /	1.0	T= 8.815 / 8.4 T= 12.441 / 11.7
LAT= 24.0 LAT= 30.0 LAT= 36.0 LAT= 42.0 LAT= 48.0	U = U = V =	46.328 / .2 45.738 / .7 37.973 / .9 21.424 / .9	V = V = V =	62.958 / 2.5	W =	1.725374 / 1.613031 / 1.195097 /	.4 1.0 2.6	T= 8.815 / 8.4 T= 12.441 / 11.7 T= 13.628 / 11.0
LAT = 24.0 LAT = 30.0 LAT = 36.0 LAT = 42.0 LAT = 48.0 LAT = 54.0 LAT = 60.0	U= U= V=	46.328 / .2 45.738 / .7 37.973 / .9 21.424 / .9 11.746 / 1.6	V = V = V =	62.958 / 2.5 50.721 / 3.1 35.254 / 3.7	M = M = M =	1.725374 /	.4 1.0 2.6 3.6	T= 8.815 / 8.4 T= 12.441 / 11.7 T= 13.628 / 11.0

Table B4. Amplitude and Phase of Solar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

2* 368.753	KM											
LAT=-78.0	U≖	4.755 /	1.0	V×	10.388 /	/ 2.1	w=	.267554 /	5.7	T=	4.959 /	10.1
LAT=-72.0	Ú≖	13.340 /	. 5	٧×	6.475 /		W×	.406000 /	6.0	T=	10.367 /	
LAT=-66.0	Ú≠	22.150 /	. 2	٧×	11.452 /		W=	.643142 /	6.1	T≖	19.657	8.7
LAT=-60.0	U=	28.272 /	.3	V=	18.105 /	10.1	W=	.658658 /	6.2	T=	27.738 /	8.3
LAT=-54.0	Ú=	31.726 /	. 4	V =	24.024 /	9.9	W=	.432318 /	6.5	T=	32.228 /	7.9
LAT =-48.0	U≠	33.834 /	. 8	V×	27.382 /	9.6	W=	.299106 /	8.1	T =	34.542 /	7.7
LAT=-42.0	U=	34.608 /	.8	V =	28.611 /	9.3	W=	.344494 /	8.6	T=	39.637 /	7.4
LAT=-36.0	U±	34.541 /	. 3	V=	28.484 /	8.8	Μ=	.378849 /	7.8	T=	48.188 /	
LAT=-30.0	U=	31.856 /	. 4	V =	26.973 /	8.4	W=	.441181 /	7.8	T≈	46.619 /	6.8
LAT==24.0	IJ=	29.785 /	. 3	٧=	23.808 /	8.0	W=	.440909 /	7.3	T=	46.798 /	6.5
LAT=-18.0	U=	28.439 /	. 1	V =	19.404 /		W =	.452614 /	6.5	T =	48.519 /	
LAT=-12.0	U=	27.005 /	. 1	V۽	13.400 /		M=	.557898 /	5.6	1=	48.507 /	
LAT= -6.0	U=	26.687 /		V =	6.054 /		W=	.704399 /		T=	49.775 /	
LAT= 0.0	U≖	27.380 /		V =	5.609 /		W =	871399 /	4.7	T≃	52.967 /	
LAT= 6.0	U=	29.018 /		٧×	17.714 /		W=	.894446 /		Ţ=	57.654 /	
LAT= 12.0	U=	31.935 /		V=	32.028 /		W =	.766509 /	4.7	T=	60.924 /	
LAT= 18.0	U=	36.052 /		٧=	45.690 /		W=	.468753 /	4.7	Ţ=	60.848 /	
LAT# 24.0	U=	39.862 /		V =	58.720 /		₩≖	.075494 /		T =	55.077 /	
LAT= 30.0	U=	44.433 /		V=	69.012 /		W=	.424335 /		Ţ=	47.520 /	
LAT= 36.0	U=	47.495 /	.2	V =	74.302 /		W=	.845929 /		T=	39.623 /	
LAT= 42.0	U=	46.822 /	. 7	V =	72.452 /			1.567103 /		T=	23.448 /	
LAT= 48.0	U=	38.953 /	.9	٧×	64.513 /			1.842678 /	.4	T	9.329 /	
LAT = 54.0	U=	22.209 /	. 8	V =	51.913 /			1.733984 /	.9	T=	12.158 /	
LAT= 60.0	U=	10.940 /	1.4	V۶	35.468 /			1.223447 /		T=	13.430 /	
LAT# 66.0	U=	12.212 /	8.7	V =	14.323 /			1.421845 /	3.6	Ī=	14.948 /	
LAT# 72.0	U= U≠	1.812 /	1.1	V=	11.632 / 30.934 /	:	₩=	.678629 /	4.5	T= T=	10.752 / 3.621 /	
LAT# 78.0	-	1.026 /	3.9	٧×	30.934 /	9.9	W=	.524640 /	6.6	1=	3.021 /	1.5
Z= 400.753	KM											
LAT=-78.0	υ=	4.155 /	1.0	V =	10.956 /	2.2	₩≃	.307319 /	5.7	T=	5.165 /	10.1
LAT=-72.0	U=	12.583 /	. 4	V =	6.165 /	.4	W=	.474556 /	6.0	T =	10.655 /	9.5
LAT=-66.0	U=	21.153 /	. 1	V =		10.6	W=	.764719 /	6.1	T=	19.970 /	8.7
LAT=-60.0	U=	27.679 /	. 2	V =	17,826 /		₩=	.795584 /	6.1	T =	28.077 /	
LAT=-54.0	U=	32.353 /	. 4	٧=	23.994 /		W =	.553846 /	6.1	T=	32.641 /	
LAT=-48.0	U≖	34 489 /	. 8	V =	27.661 /		W=	.323798 /	7.3	T =	35.038 /	
LAT=-42.0	U=	35.192 /	. 7	V=	29.228 /		W≖	307584 /	7.8	T=	40.325 /	
LAT#-36.0	U=	35.407 /	. 2	V =	28.731 /		W =	.373409 /	6.8	T=	49.198 /	
LAT=-30.0	U=	32.591 /	. 2	V =	27.094 /		W =	.422352 /	6.9	T =	48.262 /	
LAT=-24.0	U=	30.383 /	. 2	V =	23.907 /	7.9	W=	.438151 /	6.4	Ţ.	48.343 /	
LAT=-18.0	U=	29.023 /	• 1	V =	19.360 /		W =	.507764 /	5.6	T=	49.684 /	
LAT=-12.0	U=	27.550 /	. 1	V =	13.245 /		W=	.665815 /	4.9	1 =	49.700 /	
LAT= -6.0	U=	27.226 /		V =	5.534 /		₩=	.841949 /	4.5	Ţ=	51.006 /	
LAT= 0.0	U=	27.963 /		V =	6.362 /			1.012303 /	4.3	T =	54.257 /	
LAT= 6.0	U=	29.622 /		V =	18.740 /			1.049390 /	4.1	T =	59.028 /	
LAT= 12.0	U=	32.561 /		V =	33.111 /		W=	.933974 /	4.0	T =	62.351 /	
LAT= 18.0	U=	36.688 /		V =	46.919 /		W=	.619688 /	3.8	T#	62.275 /	
LAT= 24.0	U=	40.462 /		٧=	60.210 /		₩≂	-234115 /	2.9	T=	56.348 /	
LAT = 30.0	U =	45.296 /		V =	70.420 /		W=	.437879 /	.2	T=	48.648 /	
LAT= 36.0	Ų= U=	48.576 /	. 2	V =	75.884 /		W=	.879759 /	.2	T s	40.666 /	
	u=	47.829 /	- 7	V = V =	74.348 / 65.490 /	. –		1.635713 /	• 1	T=	24.054 /	
LAT= 42.0		20 050 1			no.490 /	2.4	W=	1.930841 /	. 4	T =	9.404 /	8.2
LAT= 48.0	U=	39.852 /	.8							T -	4 . 000	
LAT= 48.0 LAT= 54.0	U≖	23.070 /	.8	V =	52.976 /	3.1	W=	1.805437 /	. 9	T=	11.980 /	11.7
LAT= 48.0 LAT= 54.0 LAT= 60.0	U = U ≠ U =	23.070 / 12.718 /	.8 1.3	V = V =	52.976 / 36.238 /	3.1	W=	1.805437 /	.9 2.7	T =	13.900 /	11.7
LAT = 48.0 LAT = 54.0 LAT = 60.0 LAT = 66.0	U = U ≈ U ≈ U ≈	23.070 / 12.718 / 11.394 /	.8 1.3 8.9	V = V = V =	52.976 / 36.238 / 14.639 /	3.1 3.6 4.5	W = W =	1.805437 / 1.229995 / 1.423651 /	.9 2.7 3.5	T= T=	13.900 /	11.7
LAT= 48.0 LAT= 54.0 LAT= 60.0	U = U ≠ U =	23.070 / 12.718 /	.8 1.3	V = V =	52.976 / 36.238 /	3.1 3.6 4.5 8.9	W=	1.805437 /	.9 2.7	T =	13.900 /	11.7

Table B5. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\rm O}{\rm N}$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km at the Equinoxes

2=	0.000	KM										
LAT=	0.0	U=	.014 /	5.7	V=	0.000 /	3.1	1.1	0.000000		-	
LAT=		υ=	.016 /		V=	.005 /	8.7		0.000000 /		T= T=	.008 / .
LAT=		Ū=	.016 /		V=	.009 /	8.7		0.000000		T=	.008 / .
LAT=		Ū=	.017 /		V =	.013 /	8.7		0.000000		T=	.008 / .
LAT=	24.0	U=	.018 /	5.8	V =	.017 /	8.8		0.000000		Te	.007 / .
LAT=	30.0	U=	.018 /	5.8	V =	.019 /	8.8		0.000000 /		T=	.005 / .
LAT=	36.0	U=	.018 /		V=	.020 /	8.8		0.000000 /		T=	.004 / .
LAT=	42.0	U≖	.017 /	5.9	V =	.019 /	8.9	W=	0.000000 /	12.0	T=	.002 / .
LAT=	48.0	U=	.016 /	5.9	V =	.017 /	8.9		0.000000 /		T=	.001 / .
LAT=	54.0	Ų=	.014 /	5.9	V =	.015 /	8.9		0.000000 /		T=	.001 / .
LAT=	60.0	U≠	.012 /	5.9	V =	.012 /	8.9		0.000000		T=	0.000 / .
LAT=	66.0	U=	.010 /	5.9	V =	.010 /	9.0		0.000000 /		Τ≖	0.000 / 1.
LAT=	72.0	u=	.008 /	6.0	V =	.008 /	9.0		0.000000 /		T=	0.000 / 5.
LAT=	78.0	U≠	.005 /	5.9	V =	.006 /	8.9		0.000000 /		T=	0.000 / 5.
						,		-	,		,-	0.000 / 5.
Z =	2.078	KM										
LAT=	0.0	U=	.017 /	6.0	V =	0.000 (2 0				_	
	6.0	U±	.017 /	6.0	v = V =	0.000 /	3.0	W =	.000001 /		T =	.010 / 11.
LAT=		u=	.018 /	6.0	V=	.006 /	8.9	W=	.000001 /		T =	.010 / 11.
LAT=		U=	.019 /	6.0	V =	.011 /	8.9	W=	.000002 /		T =	.009 / 11.
LAT=		U=	.020 /	6.0	V = V =	.016 / .019 /	8.9	W=	.000002 /		T=	.008 / 11.
LAT=		U=	.020 /	6.1	V =	.019 /	9.0	₩≖	.000002 /		Ţ=	.007 / 11.
LAT=		Ü=	.020 /	6.1	V =	.021 /	9.1 9.1	W=	.000002 /		T =	.006 / 12.
LAT=		ŭ=	.020 /	6.1	V =	.022 /	9.1	W = W =	.000002 /		T=	.004 / 12.
LAT=		Ū=	.019 /	6.2	V =	.021 /	9.1	W =	.000002 /		T=	.003 / 12.
LAT=		Ū=	.018 /	6.2	V=	.019 /	9.2	W=	.000002 /		T= T-	.002 / 12.
LAT=		Ū=	.015 /	6.2	V=	.016 /	9.2	W=	.000001 /		T= T=	.001 / 12.
LAT=		Ü=	.013 /	6.2	V =	.013 /	9.2		0.000000 /	9.6	†=	0.000 / 12.
LAT=		Ü≠	.010 /	6.2	٧×	.010 /	9.2	w=	.000001 /		T=	0.000 / 11.
LAT=		Ū≖	.007 /	6.3	V =	.007 /	9.3	w=	.000001 /		T=	0.000 / 5.1
			,		•-	.00, ,	3.3	77 -	.000002 /	0.,	1=	0.000 / 4.
Z= 4	4.161	KM										
LAT=	0.0	U=	.018 /	6.0	W -	0 000 1					_	
LAT=		U=	.018 /		V =	0.000 /	3.0	W=	.000003 /		T=	.010 / 12.0
LAT= '		U=		6.0	V =	.006 /	8.8	W=	.000003 /		T =	.010 / 12.0
.AT= 1		U=	.019 / .020 /	6.0	V =	.011 /	8.8	W =	.000002 /		T =	.010 / 12.0
LATE 2		U=	.020 /	6.0	V =	.016 /	8.9	W =	.000003 /		T=	.009 / 12.0
LAT= (U=	.020 /	6.0 6.1	V =	.019 /	8.9	W =	.000004 /		T =	.008 / 12.0
LAT= :		U=			V =	.022 /	9.0	W =	.000005 /	. 3	T =	.006 / .
LAI= .		U=	.021 /	6.1	V=	.023 /	9.1	W=	.000005 /	.6	T =	.005 /
LAT= 4		U=	.021 /	6.2	V =	.023 /	9.2	W =	.000004 /	. 9	T =	.003 /
		u= u=	.020 /	6.2	V =	.022 /	9.2	W.=	.000003 /	1.1	T =	.002 /
		U =	.019 /	6.3	V =	.020 /	9.3	W =	.000002 /	1.1	T =	.001 / .
LAT= 5		11-	016 /									
LAT= 5 LAT= 6	60.0	U=	.016 /	6.3	V =	.017 /	9.3	W=	.000001 /	. 4	T =	.001 / .
LAT= 5 LAT= 6 LAT= 6	60.0 66.0	U=	.013 /	6.3	V =	.014 /	9.3	w =	.000001 /	10.8	T=	0.000 / 11.9
	60.0 66.0 72.0	-								10.8 9.1		

Table B5. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\rm O}{\rm N}$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z≖	9.525	KM									
LAT=	0.0	U=	.019 /	6.0	٧×	0.000 /	3.0	W=	.000008 / 6.8	Ť≖	.011 / 12.0
	6.0	Ū≖	.020 /	6.0	V=	.006 /	9.0	W=	.000006 / 6.7	Τ=	.011 / 12.0
LAT=	12.0	U=	.020 /	6.0	V≖	.012 /	9.0	W=	.000002 / 3.5	T =	.010 / 12.0
LAT=	18.0	U≠	.021 /	6.0	V×	.017 /	9.0	W=	.000009 / 1.7	T =	.010 / 12.0
LAT=	24.0	U≖	.023 /	6.0	V ≠	.021 /	9.0	W =	.000015 / 1.4	T=	.009 / 11.9
	30.0	U=	.024 /	6.0	V =	.024 /	9.0	W=	.000017 / 1.3	T =	.007 / 11.9
	36.0	U=	.024 /	6.0	V =	.026 /	9.0	W=	.000017 / 1.1	T≖	.006 / 11.9
	42.0	U =	.024 /	6.0	V =	.027 /	9.0	M=	.000014 / 1.0	T=	.004 / 11.8
	48.0	U≃ U≖	.024 /	5.0 6.0	V =	.026 /	9.0	₩≈	.000010 / .8	T =	.003 / 11.8
	54.0 60.0	U=	.022 / .020 /	6.0	V= V≈	.024 / .021 /	9.0 9.0	W=	.000006 / .5	T= T=	.002 / 11.8
	66.0	U=	.016 /	6.0	V =	.017 /	9.0	W=	.000004 / 11.9	T=	.001 / 11.7 0.000 / 11.6
	72.0	U=	.013 /	6.0	V=	.013 /	9.0	W=	.000002 / 11.1	τ=	0.000 / 11.8
	78.0	Ü≖	.008 /	6.1	٧=	.008 /	9.0	W=	.000003 / 9.5	T=	0.000 / 6.6
L A (-	70.0		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•	•-	,,,	3.4		, 5.5	•-	0.000 / 0.0
Z= -	14.879	KM									
LAT=	0.0	U=	.023 /	6.0	V≠	0.000 /	3.0	W=	.000028 / 4.2	T≠	.014 / .1
		U=	.024 /	6.0	٧×	.006 /	9.1	W=	.000028 / 4.2	T=	.014 / .1
	12.0	U≃	.024 /	6.0	V=	.013 /	9.1	W=	.000027 / 4.0	T=	.013 / 12.0
	18.0	U=	.026 /	6.0	V =	.020 /	9.1	W=	.000029 / 2.3	Ť=	.013 / 12.0
	24.0	Ŭ=	.028 /	6.0	V=	.026 /	9.0	W=	.000034 / 1.7	T=	.011 / 11.8
	30.0	U=	.030 /	6.0	V=	.031 /	9.0	W=	.000036 / 1.3	Ť=	.009 / 11.7
	36.0	U=	.031 /	6.0	V=	.033 /	9.0	W=	.000034 / 1.1	T=	.007 / 11.6
LAT=	42.0	U=	.031 /	6.0	V =	.034 /	9.0	W=	.000028 / .8	T =	.005 / 11.5
	48.0	U≖	.030 /	6.0	V =	.032 /	9.0	W=	.000021 / .6	T =	.004 / 11.4
	54.0	U=	.027 /	5.9	V=	.029 /	9.0	W =	.000013 / .4	T=	.002 / 11.4
	60.0	υ=	.023 /	5.9	V =	.025 /	8.9	W =	.000008 / 11.9	T=	.001 / 11.2
	66.0	U=	.019 /	5.9	V =	.020 /	8.9	w=	.000003 / .2	T =	.001 / 11.3
	72.0	U=	.015 /	5.9	V =	.015 /	8.9	W=	.000002 / 11.5	T =	0.000 / 11.2
LAT=	78.0	U=	.010 /	5.9	V =	.009 /	8.9	W=	.000003 / 9.9	T=	0.000 / 7.5
Z= 2	20.239	KM									
LAT=	0.0	U=	.035 /	6.1	V =	0.000 /	3.0	₩=	.000099 / 3.4	Ť=	.026 / .1
LAT=	6.0	U=	.036 /	6.1	V =	.009 /	9.6	W=	.000099 / 3.4	T=	.025 / .1
	12.0	U=	.037 /	6.1	V =	.019 /	9.4	W=	.000081 / 3.0	T=	.024 / 12.0
	18.0	Ŭ=	.039 /	6.0	V =	.028 /	9.3	W=	.000067 / 2.6	T =	.021 / 11.9
	24.0	Ū≠	.042 /	6.0	V =	.038 /	9.1	W=	.000056 / 2.0	Ť=	.018 / 11.7
	30.0	U =	.045 /	5.9	V =	.046 /	9.0	W =	.000050 / 1.4	T =	.015 / 11.5
	36.0	U≃	.048 /	5.8	V =	.051 /	8.9	W=	.000045 / .9	T =	.011 / 11.3
LAT=	42.0	Ų=	.049 /	5.8	V =	.053 /	8.8	'₩=	.000037 / .6	T =	.008 / 11.2
	48.0	U≖	.048 /	5.7	V =	.052 /	8.7	W=	.000028 / .4	T =	.005 / 11.0
	54.0	Ų≃	.045 /	5.7	V =	.048 /	8.7	W=	.000018 / .3	T≖	.003 / 11.0
	60.0	U≠	.039 /	5.7	V =	.041 /	8.7	W=	.000011 / 11.9	T≠	.002 / 10.7
	66.0	U=	.032 /	5.7	٧z	.033 /	8.7	W=	.000005 / .9	T≃	.001 / 11.1
	72.0	U=	.025 /	5.7	V =	.025 /	8.7	W =	.000002 / .4	T =	0.000 / 11.0
LAT=	78.0	U=	.016 /	5.6	y ≠	.016 /	8.7	'₩' =	.000003 / 10.4	T≖	0.000 / 8.2

Table B5. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\rm O}N$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 25.607 KM				
LAT= 0.0 U=	.060 / 6.1 V=	0.000 / 3.0	w= .000209 / 2.9	T= .048 / 12.0
LAT= 6.0 U=	.061 / 6.1 V=	.020 / 9.7	W= .000197 / 2.9	T= .046 / 12.0
LAT= 12.0 U=	.063 / 6.1 V=	.038 / 9.6	W= .000164 / 2.8	T= .041 / 11.9
LAT= 18.0 U=	.066 / 6.0 V=	.053 / 9.4 .065 / 9.2	W= .000120 / 2.7 W= .000078 / 2.6	T= .035 / 11.9 T= .027 / 11.8
LAT= 30.0 U=	.072 / 5.9 V=	.074 / 9.0	W= .000073 / 2.6 W= .000040 / 2.1	T= .020 / 11.6
LAT = 36.0 U=	.074 / 5.7 V=	.080 / 8.8	W= .000020 / 1.0	T= .014 / 11.5
LAT= 42.0 U=	.075 / 5.6 V=	.082 / 8.7	W= .000016 / 11.6	T# .009 / 11.3
LAT= 48.0 U=	.073 / 5.5 V=	.080 / 8.5	w= .000015 / 10.9	T= .005 / 11.1
LAT= 54.0 U=	.069 / 5.4 V=	.073 / 8.4	W= .000011 / 10.8	T= .003 / 11.0
LAT= 60.0 U=	.060 / 5.4 V=	.064 / 8.4 .052 / 8.4	W* .000010 / 10.4 W= .000002 / .8	T= .001 / 10.4 T= .001 / 11.2
LAT= 72.0 U=	.039 / 5.4 V=	.039 / 8.3	W= .000002 / 10.6	T= 0.000 / 10.3
LAT= 78.0 U=	.025 / 5.3 V=	.026 / 8.4	W= .000002 / 10.7	T= 0.000 / 8.1
			,	
Z= 30.985 KM				
LAT= 0.0 U=	.097 / 6.0 V=	0.000 / 3.0	W= .000325 / 2.5	T= .075 / 11.8
LAT= 6.0 U=	.099 / 6.0 V=	.038 / 9.3	W= .000305 / 2.5	T= .072 / 11.8
LAT= 12.0 U=	.102 / 6.0 V=	.071 / 9.3	w= .000251 / 2.6	T= .064 / 11.8
LAT= 18.0 U=	.106 / 6.0 V=	.097 / 9.2	W= .000179 / 2.9	T= .052 / 11.9
LAT= 24.0 U= LAT= 30.0 U=	.109 / 5.9 V=	.112 / 9.1	W= .000111 / 3.4 W= .000067 / 4.4	T= .039 / 12.0 T= .026 / .1
LAT= 36.0 U=	.106 / 5.8 V=	.118 / 8.8	w= .000055 / 5.6	T= .026 / .1
LAT= 42.0 U=	.101 / 5.7 V=	.111 / 8.7	w= .000052 / 6.4	T= .010 / .5
LAT= 48.0 U=	.093 / 5.6 V=	.101 / 8.6	W= .000044 / 6.8	T= .005 / .8
LAT= 54.0 U=	.083 / 5.5 V=	.089 / 8.5	w= .000031 / 6.9	T= .003 / 1.1
LAT= 60.0 U=	.071 / 5.4 V=	.075 / 8.4	W= .000020 / 7.5	T= .001 / 2.7
LAT= 66.0 U=	.059 / 5.4 V= .045 / 5.3 V=	.060 / 8.3 .045 / 8.3	w= .000010 / 6.1 w= .000006 / 8.5	T= .001 / 1.6 T= 0.000 / 5.8
LAT= 78.0 U=	.029 / 5.2 V=	.030 / 8.3	w= .000002 / 5.6	T= 0.000 / 4.3
	1025 , 512 (=	7000 , 0.0	n- 1000002 / 010	13 01000 , 410
Z= 36.378 KM				
LAT= 0.0 U=	.146 / 5.9 V=	0.000 / 3.0	w= .000374 / 2.1	T= .100 / 11.6
LAT= 6.0 U=	.148 / 5.9 V=	.062 / 8.8	W= .000352 / 2.1	T= .097 / 11.6
LAT= 12.0 U=	.153 / 5.9 V=	.115 / 8.9	W= .000296 / 2.4	T= .086 / 11.7
LAT= 18.0 U=	.158 / 5.9 V=	.154 / 8.9	w= .000230 / 2.9	T= .071 / 11.9
LAT= 24.0 U=	.160 / 5.9 V= .156 / 5.9 V=	.174 / 8.9	W= .000185 / 3.7	T= .055 / .1
LAT= 30.0 U=	.156 / 5.9 V=	.177 / 8.9 .167 / 8.9	w= .000169 / 4.5 w= .000162 / 5.1	T= .041 / .4 T= .029 / .8
LAT= 42.0 U=	.133 / 5.9 V=	.149 / 8.9	w= .000144 / 5.4	T= .029 / 1.1
LAT= 48.0 U=	.115 / 5.9 V=	.128 / 8.9	W= .000114 / 5.6	T= .012 / 1.5
LAT= 54.0 U=	.098 / 5.9 V=	.105 / 8.9	w= .000080 / 5.6	T= .008 / 1.8
LAT= 60.0 U=	.078 / 5.9 V=	.085 / 8.9	w= .000046 / 6.0	T= .004 / 2.5
LAT= 66.0 U=	.064 / 5.9 V=	.065 / 8.9	W= .000029 / 5.4	T= .003 / 2.0
LAT= 72.0 U= LAT= 78.0 U=	.046 / 5.9 V= .031 / 5.9 V=	.047 / 8.9 .031 / 8.9	W= .000010 / 6.8 W= .000011 / 4.8	T= .001 / 4.2 T= .001 / 2.1
LA! - /0.0 0-	,	.031 / 0.3	#000011 / 4.8	001 / 2.1

Table B5. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 41.789 KM LAT= 0.0 U= .199 / 5.8 V= 0.000 / 3.0 W= .000266 / 1.4 T= .112 LAT= 6.0 U= .202 / 5.8 V= .083 / 8.5 W= .000257 / 1.6 T= .109 LAT= 12.0 U= .208 / 5.8 V= .155 / 8.6 W= .000243 / 2.1 T= .101 LAT= 18.0 U= .214 / 5.8 V= .206 / 8.6 W= .000249 / 2.8 T= .090 LAT= 24.0 U= .217 / 5.9 V= .235 / 8.7 W= .000277 / 3.4 T= .077 LAT= 30.0 U= .213 / 5.9 V= .235 / 8.7 W= .000277 / 3.4 T= .077 LAT= 30.0 U= .203 / 6.0 V= .231 / 9.0 W= .000294 / 4.1 T= .063 LAT= 42.0 U= .186 / 6.1 V= .210 / 9.1 W= .000260 / 4.2 T= .036 LAT= 42.0 U= .166 / 6.3 V= .184 / 9.3 W= .000205 / 4.3 T= .024 LAT= 54.0 U= .145 / 6.4 V= .155 / 9.4 W= .000260 / 4.2 T= .036 LAT= 60.0 U= .118 / 6.5 V= .128 / 9.5 W= .000084 / 4.5 T= .007 LAT= 66.0 U= .099 / 6.6 V= .128 / 9.5 W= .000084 / 4.5 T= .007 LAT= 72.0 U= .071 / 6.6 V= .073 / 9.6 W= .000021 / 4.6 T= .001 LAT= 78.0 U= .048 / 6.7 V= .048 / 9.6 W= .000019 / 4.2 T= .001 LAT= 0.0 U= .253 / 5.8 V= .000 / 3.0 W= .000147 / 10.0 T= .110	///////////////////////////////////////	11 11 11 11 11 11
LAT= 6.0 U= .202 / 5.8 V= .083 / 8.5 W= .000257 / 1.6 T= .109 LAT= 12.0 U= .208 / 5.8 V= .155 / 8.6 W= .000243 / 2.1 T= .101 LAT= 18.0 U= .214 / 5.8 V= .206 / 8.6 W= .000249 / 2.8 T= .996 LAT= 24.0 U= .217 / 5.9 V= .235 / 8.7 W= .000277 / 3.4 T= .077 LAT= 30.0 U= .213 / 5.9 V= .241 / 8.8 W= .000298 / 3.8 T= .063 LAT= 36.0 U= .203 / 6.0 V= .231 / 9.0 W= .000294 / 4.1 T= .048 LAT= 42.0 U= .186 / 6.1 V= .210 / 9.1 W= .000294 / 4.1 T= .048 LAT= 48.0 U= .166 / 6.3 V= .184 / 9.3 W= .000295 / 4.3 T= .024 LAT= 54.0 U= .145 / 6.4 V= .155 / 9.4 W= .000148 / 4.4 T= .016 LAT= 60.0 U= .118 / 6.5 V= .128 / 9.5 W= .000084 / 4.5 T= .007 LAT= 66.0 U= .099 / 6.6 V= .100 / 9.6 W= .000057 / 4.4 T= .005 LAT= 72.0 U= .071 / 6.6 V= .100 / 9.6 W= .000021 / 4.6 T= .001 LAT= 78.0 U= .048 / 6.7 V= .048 / 9.6 W= .000019 / 4.2 T= .001 Z= 47.224 KM LAT= 0.0 U= .250 / 5.8 V= 0.000 / 3.0 W= .000147 / 10.0 T= .110	///////////////////////////////////////	11 11 11 11 11 11
LAT= 6.0 U= .202 / 5.8 V= .083 / 8.5 W= .000257 / 1.6 T= .109 LAT= 12.0 U= .208 / 5.8 V= .155 / 8.6 W= .000243 / 2.1 T= .101 LAT= 18.0 U= .214 / 5.8 V= .206 / 8.6 W= .000249 / 2.8 T= .996 LAT= 24.0 U= .217 / 5.9 V= .235 / 8.7 W= .000277 / 3.4 T= .077 LAT= 30.0 U= .213 / 5.9 V= .241 / 8.8 W= .000298 / 3.8 T= .063 LAT= 36.0 U= .203 / 6.0 V= .231 / 9.0 W= .000294 / 4.1 T= .048 LAT= 42.0 U= .186 / 6.1 V= .210 / 9.1 W= .000294 / 4.1 T= .048 LAT= 48.0 U= .166 / 6.3 V= .184 / 9.3 W= .000295 / 4.3 T= .024 LAT= 48.0 U= .145 / 6.4 V= .155 / 9.4 W= .000148 / 4.4 T= .016 LAT= 60.0 U= .118 / 6.5 V= .128 / 9.5 W= .000084 / 4.5 T= .007 LAT= 66.0 U= .099 / 6.6 V= .100 / 9.6 W= .000057 / 4.4 T= .005 LAT= 72.0 U= .071 / 6.6 V= .073 / 9.6 W= .000021 / 4.6 T= .001 LAT= 78.0 U= .048 / 6.7 V= .048 / 9.6 W= .000019 / 4.2 T= .001 Z= 47.224 KM LAT= 0.0 U= .250 / 5.8 V= 0.000 / 3.0 W= .000147 / 10.0 T= .110	///////////////////////////////////////	11 11 11 11 11 11
LAT= 12.0 U= .208 / 5.8 V= .155 / 8.6 W= .000243 / 2.1 T= .101 LAT= 18.0 U= .214 / 5.8 V= .206 / 8.6 W= .000249 / 2.8 T= .090 LAT= 24.0 U= .217 / 5.9 V= .235 / 8.7 W= .000277 / 3.4 T= .077 LAT= 30.0 U= .213 / 5.9 V= .241 / 8.8 W= .000298 / 3.8 T= .063 LAT= 36.0 U= .203 / 6.0 V= .231 / 9.0 W= .000294 / 4.1 T= .049 LAT= 42.0 U= .186 / 6.1 V= .210 / 9.1 W= .000260 / 4.2 T= .036 LAT= 48.0 U= .166 / 6.3 V= .184 / 9.3 W= .000205 / 4.3 T= .024 LAT= 54.0 U= .145 / 6.4 V= .155 / 9.4 W= .000148 / 4.4 T= .016 LAT= 66.0 U= .099 / 6.6 V= .128 / 9.5 W= .000084 / 4.5 T= .007 LAT= 66.0 U= .099 / 6.6 V= .100 / 9.6 W= .000057 / 4.4 T= .005 LAT= 72.0 U= .071 / 6.6 V= .073 / 9.6 W= .000057 / 4.4 T= .005 LAT= 78.0 U= .048 / 6.7 V= .048 / 9.6 W= .000019 / 4.2 T= .001 LAT= 78.0 U= .048 / 6.7 V= .048 / 9.6 W= .000019 / 4.2 T= .001	///////////////////////////////////////	11 11 11 11 11 11
AT= 18.0 U= .214 / 5.8 V= .206 / 8.6 W= .000249 / 2.8 T= .090 AT= 24.0 U= .217 / 5.9 V= .235 / 8.7 W= .000277 / 3.4 T= .077 AT= 30.0 U= .213 / 5.9 V= .241 / 8.8 W= .000298 / 3.8 T= .063 AT= 36.0 U= .203 / 6.0 V= .231 / 9.0 W= .000294 / 4.1 T= .049 AT= 42.0 U= .186 / 6.1 V= .210 / 9.1 W= .000260 / 4.2 T= .036 AT= 48.0 U= .166 / 6.3 V= .184 / 9.3 W= .000265 / 4.3 T= .024 AT= 54.0 U= .145 / 6.4 V= .155 / 9.4 W= .000148 / 4.4 T= .016 AT= 60.0 U= .118 / 6.5 V= .128 / 9.5 W= .000084 / 4.5 T= .007 AT= 66.0 U= .099 / 6.6 V= .100 / 9.6 W= .000057 / 4.4 T= .005 AT= 72.0 U= .071 / 6.6 V= .073 / 9.6 W= .000021 / 4.6 T= .001 AT= 78.0 U= .048 / 6.7 V= .048 / 9.6 W= .000019 / 4.2 T= .001	7///////////	11
AT= 24.0 U= .217 / 5.9 V= .235 / 8.7 W= .000277 / 3.4 T= .073 AT= 30.0 U= .213 / 5.9 V= .241 / 8.8 W= .000298 / 3.8 T= .063 AT= 36.0 U= .203 / 6.0 V= .231 / 9.0 W= .000294 / 4.1 T= .049 AT= 42.0 U= .186 / 6.1 V= .210 / 9.1 W= .000260 / 4.2 T= .036 AT= 48.0 U= .166 / 6.3 V= .184 / 9.3 W= .000205 / 4.3 T= .024 AT= 54.0 U= .145 / 6.4 V= .155 / 9.4 W= .000148 / 4.4 T= .016 AT= 60.0 U= .118 / 6.5 V= .128 / 9.5 W= .000084 / 4.5 T= .007 AT= 66.0 U= .099 / 6.6 V= .100 / 9.6 W= .000057 / 4.4 T= .005 AT= 72.0 U= .071 / 6.6 V= .073 / 9.6 W= .000021 / 4.6 T= .001 AT= 78.0 U= .048 / 6.7 V= .048 / 9.6 W= .000019 / 4.2 T= .001 = 47.224 KM AT= 0.0 U= .250 / 5.8 V= 0.000 / 3.0 W= .000147 / 10.0 T= .110	//////////	1 1
AT= 30.0 U= .213 / 5.9 V= .241 / 8.8 W= .000298 / 3.8 T= .063 AT= 36.0 U= .203 / 6.0 V= .221 / 9.0 W= .000294 / 4.1 T= .048 AT= 42.0 U= .186 / 6.1 V= .210 / 9.1 W= .000260 / 4.2 T= .036 AT= 48.0 U= .166 / 6.3 V= .184 / 9.3 W= .000205 / 4.3 T= .024 AT= 54.0 U= .145 / 6.4 V= .155 / 9.4 W= .000148 / 4.4 T= .016 AT= 60.0 U= .118 / 6.5 V= .128 / 9.5 W= .000084 / 4.5 T= .007 AT= 66.0 U= .099 / 6.6 V= .100 / 9.6 W= .00057 / 4.4 T= .005 AT= 78.0 U= .071 / 6.6 V= .073 / 9.6 W= .000057 / 4.4 T= .001 AT= 78.0 U= .048 / 6.7 V= .048 / 9.6 W= .000019 / 4.2 T= .001	1////////	1 1
AT = 36.0 U = .203 / 6.0 V = .231 / 9.0 W = .000294 / 4.1 T = .049 AT = 42.0 U = .186 / 6.1 V = .210 / 9.1 W = .000260 / 4.2 T = .036 AT = 48.0 U = .166 / 6.3 V = .184 / 9.3 W = .000205 / 4.3 T = .024 AT = 54.0 U = .145 / 6.4 V = .155 / 9.4 W = .000148 / 4.4 T = .016 AT = 60.0 U = .118 / 6.5 V = .128 / 9.5 W = .000084 / 4.5 T = .007 AT = 66.0 U = .099 / 6.6 V = .100 / 9.6 W = .000057 / 4.4 T = .005 AT = 72.0 U = .071 / 6.6 V = .073 / 9.6 W = .000021 / 4.6 T = .001 AT = 78.0 U = .048 / 6.7 V = .048 / 9.6 W = .000019 / 4.2 T = .001	//////	1 1
AT = 42.0 U = .186 / 6.1 V = .210 / 9.1 W = .000260 / 4.2 T = .036 AT = 48.0 U = .166 / 6.3 V = .184 / 9.3 W = .000205 / 4.3 T = .024 AT = 54.0 U = .145 / 6.4 V = .155 / 9.4 W = .000148 / 4.4 T = .016 AT = 60.0 U = .118 / 6.5 V = .128 / 9.5 W = .000148 / 4.5 T = .007 AT = 66.0 U = .099 / 6.6 V = .100 / 9.6 W = .000057 / 4.4 T = .005 AT = 72.0 U = .071 / 6.6 V = .073 / 9.6 W = .00021 / 4.6 T = .001 AT = 78.0 U = .048 / 6.7 V = .048 / 9.6 W = .00021 / 4.2 T = .001	////	1 1
AT = 48.0 U = .166 / 6.3 V = .184 / 9.3 W = .000205 / 4.3 T = .024 AT = 54.0 U = .145 / 6.4 V = .155 / 9.4 W = .000148 / 4.4 T = .016 AT = 60.0 U = .118 / 6.5 V = .128 / 9.5 W = .000084 / 4.5 T = .007 AT = 66.0 U = .099 / 6.6 V = .100 / 9.6 W = .000057 / 4.4 T = .005 AT = 72.0 U = .071 / 6.6 V = .073 / 9.6 W = .000057 / 4.6 T = .001 AT = 78.0 U = .048 / 6.7 V = .048 / 9.6 W = .000019 / 4.2 T = .001 E = 47.224 KM AT = 0.0 U = .250 / 5.8 V = 0.000 / 3.0 W = .000147 / 10.0 T = .110	////	1 1
AT= 54.0 U= .145 / 6.4 V= .155 / 9.4 W= .000148 / 4.4 T= .016 AT= 60.0 U= .118 / 6.5 V= .128 / 9.5 W= .000084 / 4.5 T= .007 AT= 66.0 U= .099 / 6.6 V= .100 / 9.6 W= .000057 / 4.4 T= .005 AT= 72.0 U= .071 / 6.6 V= .073 / 9.6 W= .000021 / 4.6 T= .001 AT= 78.0 U= .048 / 6.7 V= .048 / 9.6 W= .000019 / 4.2 T= .001 E= 47.224 KM AT= 0.0 U= .250 / 5.8 V= 0.000 / 3.0 W= .000147 / 10.0 T= .110	///	1
AT= 60.0 U= .118 / 6.5 V= .128 / 9.5 W= .000084 / 4.5 T= .007 AT= 66.0 U= .099 / 6.6 V= .100 / 9.6 W= .000057 / 4.4 T= .005 AT= 72.0 U= .071 / 6.6 V= .073 / 9.6 W= .000021 / 4.6 T= .001 AT= 78.0 U= .048 / 6.7 V= .048 / 9.6 W= .000019 / 4.2 T= .001 AT= 78.0 U= .250 / 5.8 V= 0.000 / 3.0 W= .000147 / 10.0 T= .110	1	
AT= 66.0 U= .099 / 6.6 V= .100 / 9.6 W= .000057 / 4.4 Y= .005 AT= 72.0 U= .071 / 6.6 V= .073 / 9.6 W= .000021 / 4.6 T= .001 AT= 78.0 U= .048 / 6.7 V= .048 / 9.6 W= .000019 / 4.2 T= .001 E= 47.224 KM AT= 0.0 U= .250 / 5.8 V= 0.000 / 3.0 W= .000147 / 10.0 T= .110	1	
AT= 72.0 U= .071 / 6.6 V= .073 / 9.6 W= .000021 / 4.6 T= .001 AT= 78.0 U= .048 / 6.7 V= .048 / 9.6 W= .000019 / 4.2 T= .001 E= 47.224 KM AT= 0.0 U= .250 / 5.8 V= 0.000 / 3.0 W= .000147 / 10.0 T= .110	1	
.AT= 78.0 U= .048 / 6.7 V= .048 / 9.6 W= .000019 / 4.2 T= .001 .E= 47.224 KM .AT= 0.0 U= .250 / 5.8 V= 0.000 / 3.0 W= .000147 / 10.0 T= .110		
Z= 47.224 KM _AT= 0.0 U= .250 / 5.8 V= 0.000 / 3.0 W= .000147 / 10.0 T= .110		
AT= 0.0 U= .250 / 5.8 V= 0.000 / 3.0 W= .000147 / 10.0 T= .110	•	·
AT= 6.0 U= .253 / 5.8 V= .094 / 8.3 W= .000108 / 10.4 T= .104	1	11
) /	11
AT= 12.0 U= .259 / 5.8 V= .177 / 8.4 W= .000076 / 1.2 T= .108	1/	11
AT= 18.0 U= .267 / 5.8 V= .240 / 8.5 W= .000211 / 2.6 T= .104		
AT= 24.0 U= .272 / 5.8 V= .281 / 8.6 W= .000358 / 2.9 T= .097	' /	12
AT= 30.0 U= .273 / 5.9 V= .300 / 8.8 W= .000455 / 3.0 T= .086	1	
AT= 36.0 U= .269 / 6.1 V= .301 / 9.0 W= .000482 / 3.1 T= .071	1	
AT= 42.0 U= .260 / 6.2 V= .290 / 9.2 W= .000442 / 3.2 T= .055	/	
AT= 48.0 🐸 .244 / 6.4 V= .269 / 9.4 W= .000357 / 3.2 T= .038	1	
AT= 54.0 U= .225 / 6.5 V= .241 / 9.5 W= .000260 / 3.3 T= .025	/	
AT= 60.0 U= .192 / 6.6 V= .207 / 9.6 W= .000156 / 3.3 T= .012	1	
AT= 66.0 U= .166 / 6.7 V= .168 / 9.7 W= .000099 / 3.4 T= .008	1	
AT= 72.0 U= .122 / 6.7 V= .125 / 9.7 W= .000053 / 3.4 T= .003	/	
AT= 78.0 U= .085 / 6.8 V= .084 / 9.7 W= .000020 / 3.2 T= .001	/	
!≠ 52.691 K₩		
AT= 0.0 U= .285 / 5.8 V= 0.000 / 3.0 W= .000537 / 8.4 T= .108	. /	11
AT = 6.0 U= .288 / 5.8 V= .089 / 8.3 W= .000446 / 8.4 T= .109		
AT = 12.0 U= .294 / 5.8 V= .171 / 8.4 W= .000200 / 8.6 T= .112		
AT= 18.0 U= .304 / 5.8 V= .241 / 8.5 W= .000129 / 1.9 T= .114		
AT = 24.0 U= .316 / 5.8 V= .297 / 8.6 W= .000433 / 2.2 T# .112		
AT = 30.0 U= .328 / 5.9 V= .339 / B.8 W= .000645 / 2.3 T= .103		
AT = 36.0 U = .339 / 6.0 V = .366 / 9.0 W = .000726 / 2.3 T = .088		
At = 42.0 U= .345 / 6.1 V= .378 / 9.1 W= .000683 / 2.3 T= .069		
AT = 48.0 U = .340 / 6.2 V = .372 / 9.2 W = .000557 / 2.4 T = .045		
$AT = 54.0 U = .327 / 6.3 V = .350 / 9.3 W = .000402 / 2.4 T \neq .032$		
AT = 60.0 U = .291 / 6.4 V = .312 / 9.4 W = .000402 / 2.4 T = .016		
··· ··· · · · · · · · · · · · · · · ·	' /	
AT= 72 0 U± .195 / 6.4 V± .199 / 9.4 W± .000090 / 2.9 T= .005	1/	
.AT= 72.0 U= .195 / 6.4 V= .199 / 9.4 W= .000090 / 2.9 T= .005 .AT= 78.0 U= .138 / 6.4 V= .134 / 9.4 W= .00026 / 1.0 T= .001	/	4.0

Table B5. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 58.200 KM					
LAT= 0.0 U=	.301 / 5.8	V= 0.000 / 3	3.1 W≃	.001066 / B.O	T= .107 / .1
LAT= 6.0 U=	.305 / 5.8		3.4 W=	.000910 / 8.1	T= .110 / 12.0
LAT= 12.0 U=	.313 / 5.8		3.5 W=	.000492 / 8.2	T= .118 / 11.9
LAT= 18.0 U=	.328 / 5.8		3.6 w≖	.000124 / 11.9	T= .125 / 11.8
LAT= 24.0 U=	.351 / 5.9		3.7 W=	.000589 / 1.5	T= .129 / 11.6
LAT= 30.0 U=	.382 / 5.9		3.8 W=	.000932 / 1.6	T= .123 / 11.5
LAT= 36.0 U= LAT= 42.0 U=	.416 / 5.9		3.9 W≃	.001057 / 1.6	T= .109 / 11.5
LAT= 42.0 U=	.448 / 6.0 .465 / 6.0		9.0 w= 9.0 w=	.000983 / 1.6 .000782 / 1.6	T= .087 / 11.4 T= .063 / 11.3
LAT= 54.0 U=	.466 / 6.0	• • • • • • • • • • • • • • • • • • • •).O W=	.000762 / 1.6	T= .042 / 11.3
LAT= 60.0 U=	.429 / 6.0).0 W=	.000320 / 1.6	T= .022 / 11.2
LAT= 66.0 U=	.385 / 6.1		.0 W=	.000171 / 1.6	T= .012 / 11.4
LAT= 72.0 U=	.304 / 6.0	V= .304 / S	9.0 w≃	.000105 / 2.3	T= .007 / 11.6
LAT= 78.0 U=	.207 / 6.0	V= .208 / 9).1 ₩=	.000059 / 11.1	T= .002 / 8.4
Z= 63.765 KM					
LAT= 0.0 U=	.315 / 5.8	V= 0.000 / 3	1.3 W=	.001654 / 7.8	T= .107 / .4
LAT= 6.0 U=	.319 / 5.8		3.6 W=	.001407 / 7.8	T= .111 / .3
LAT= 12.0 U=	.329 / 5.8		3.7 W=	.000759 / B.O	T= .124 / 12.0
LAT= 18.0 U=	.352 / 5.8		8.8 W=	.000247 / 11.4	T= .141 / 11.7
LAT= 24.0 U=	.392 / 5.9		3.9 W=	.000889 / 1.0	T= .152 / 11.5
LAT = 30.0 U=	.447 / 5.9		3.9 w=	.001343 / 1.1	T= .152 / 11.3
LAT= 36.0 U=	.511 / 5.9		3.9 W=	.001460 / 1.1	T= .137 / 11.2
LAT= 42.0 U= LAT= 48.0 U=	.570 / 5.8 .607 / 5.8		3.8 w= 3.8 w=	.001296 / 1.0	T= .111 / 11.1
LAT= 54.0 U=	.616 / 5.8		3.8 W= 3.8 W=	.000978 / .9 .000636 / .8	T= .080 / 11.0 T= .052 / 10.9
LAT= 60.0 U=	.573 / 5.7		7.0 W=	.000351 / .5	T= .032 / 10.9
LAT= 66.0 U=	.513 / 5.7		3.7 W=	.000169 / .3	T= .015 / 10.9
LAT= 72.0 U=	.408 / 5.7		1.7 W=	.000078 / 1.7	T= .009 / 11.4
LAT= 78.0 U=	.268 / 5.6	V= .276 / 6	3.7 W=	.000128 / 10.0	T= .006 / 7.4
Z= 69.403 KM					
LAT= 0.0 U=	.336 / 6.0		1.7 W=	.002105 / 7.4	T= .127 / 1.0
LAT= 6.0 U=	.340 / 6.0	V= .049 / 11		.001762 / 7.4	T= .128 / .7
LAT= 12.0 U=	.354 / 6.0	V= .095 / 10		.000894 / 7.8	$\underline{T} = .137 / .1$
LAT = 18.0 U=	.390 / 5.9		.9 W=	.000495 / 11.3	T= .161 / 11.5
LAT= 24.0 U= LAT= 30.0 U=	.455 / 5.8 .546 / 5.7		1.3 W=	.001310 / .3	T= .184 / 11.1
LAT= 30.0 U=	.646 / 5.6		1.7 W=	.001804 / .4	T= .190 / 10.9 T= .173 / 10.7
LAT= 42.0 U=	.733 / 5.5		1.5 W=	.001541 / .2	T= .173 / 10.7
LAT= 48.0 U=	.780 / 5.4		.4 w=	.001097 / 12.0	T= .099 / 10.4
LAT= 54.0 U=	.782 / 5.3		.3 w=	.000677 / 11.7	T= .062 / 10.4
LAT= 60.0 U=	.717 / 5.3		.3 W=	.000375 / 11.1	T= .032 / 10.1
LAT = 66.0 U=	.628 / 5.2		.2 W=	.000193 / 10.5	T= .016 / 10.3
LAT# 72.0 U=	.492 / 5.2		.2 W=	.000014 / 9.8	T= .009 / 11.3
LAT= 78.0 U=	.319 / 5.0	V= .329 / 8	.2 w=	.000204 / 9.4	T= .010 / 7.0

Table B5. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 75.140 KM				
LAT= 0.0 U=	.391 / 6.4 V	= 0.000 / 4.4	w= .001954 / 6.5	T= .209 / 1.
LAT= 6.0 U=	.396 / 6.4 V		W= .001593 / 6.6	T= .196 / 1.
LAT= 12.0 U=	.412 / 6.3 V		W= .000721 / 7.4	T= .174 / .
LAT= 18.0 U=	.457 / 6.1 V		W= .000804 / 10.8	T= .183 / 11.
LAT= 24.0 U=	.549 / 5.8 V		W= .001722 / 11.3	T= .216 / 10.
LAT= 30.0 U=	.699 / 5.4 V		W= .002253 / 11.4	T= .235 / 10.
LAT= 36.0 U=	.879 / 5.2 V		W= .002294 / 11.2	T= .223 / 9.
LAT= 42.0 U=	1.038 / 5.0 V		W= .001970 / 11.0	T= .186 / 9.
LAT= 48.0 U=	1.127 / 4.8 V		W= .001481 / 10.7	T= .136 / 9.
LAT= 54.0 U=	1.131 / 4.8 V		W= .000993 / 10.4	T= .087 / 9.
LAT= 60.0 U=	1.032 / 4.7 V		W= .000627 / 9.9	T= .048 / 9.
LAT= 66.0 U=	.890 / 4.7 V		W= .000331 / 9.5	T= .024 / 9.
LAT= 72.0 U=	.690 / 4.7 V		W= .000127 / 8.7	T= .010 / 10.
LAT= 78.0 U=	.441 / 4.5 V		W= .000222 / 8.9	T= .014 / 6.
27 70.0	,			,
Z= 81.010 KM				
LAT= 0.0 U=	.544 / 6.6 V	= 0.000 / 4.6	W= .002069 / 3.6	T= .404 / .
LAT= 6.0 U=	.551 / 6.6 V		W= .001597 / 3.6	T= .369 / .
LAT= 12.0 U=	.568 / 6.6 V		w= .000360 / 3.2	T= .279 / .
LAT= 18.0 U=	.606 / 6.3 V		W= .001256 / 9.8	T= .192 / 11.
LAT = 24.0 U=	.705 / 5.8 V		W= .002704 / 9.7	T= .186 / 9.
LAT= 30.0 U=	.917 / 5.2 V		w= .003611 / 9.6	T= .228 / 8.
LAT= 36.0 U=	1.217 / 4.8 V		w= .003823 / 9.5	T= .248 / 8.
LAT= 42.0 U=	1.5'2 / 4.5 V		W= .003430 / 9.4	T= .228 / 8.
LAT= 48.0 U=	1.707 / 4.3 V		W= .002679 / 9.3	T= .181 / 8.
LAT- 54.0 U=	1.761 / 4.2 V		W= .001828 / 9.1	T= .123 / 8.
LAT- 60.0 U=	1.648 / 4.0 V		W= .001143 / 8.9	T= .077 / 8.
LAT= 66.0 U=	1.434 / 4.0 V		W= .000531 / 8.7	T= .039 / 8.
LAT= 72.0 U=	1.129 / 4.0 V		w= .000366 / 8.7	T= .039 / 8.
LAT= 78.0 U=	.725 / 3.7 V		W= .000137 / 6.7	T= .007 / 6.
LAT- 78.0 0-	.725 / 0.7 4	.,40 / 1.0	u- 1000137 / 0.7	1007 / 0.
Z= 87.062 KM				
LAT= 0.0 U=	.909 / 6.2 V	• 0.000 / 3.6	w= .006778 / 1.9	T= .944 / 11.
LAT= 6.0 U=	.922 / 6.2 V		W= .005538 / 1.8	T= .832 / 11.
LAT= 12.0 U=	.946 / 6.2 V		W= .002433 / 1.2	T= .537 / 11.
LAT= 18.0 U=	.968 / 6.1 V		W= .002337 / 9.2	T= .171 / 10.
LAT= 24.0 U=	.987 / 5.7 V		W= .005675 / 8.4	T= .180 / 6.
LAT= 30.0 U=	1.047 / 5.2 V		W= .007711 / 8.2	T= .388 / 5.
LAT = 36.0 U=	1.198 / 4.6 V		w= .008080 / 8.0	T# .458 / 5.
LAT= 42.0 U=	1.413 / 4.1 V		w= .007140 / 7.9	T= .418 / 5.
LAT= 48.0 U=	1.598 / 3.8 V		w= .005528 / 7.7	T= .322 / 5.
LAT= 54.0 U=	1.681 / 3.6 V		w= .003801 / 7.4	T= .207 / 4.
				T= .046 / 3.
				T= .052 / 1.
LAT= 60.0 U= LAT= 66.0 U= LAT= 72.0 U=	1.609 / 3.4 V	1.682 / 6.4 1.445 / 6.4 1.120 / 6.3	W= .003801 / 7.4 W= .002418 / 7.1 W= .001220 / 6.7 W= .000784 / 7.7 W= .000795 / 4.6	T= .131 T= .046 T= .043

Table B5. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\rm O}N$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 93.363	KM							
LAT= 0.0	U≖	1.862 / 5.5	V=	0.000 / 3.0	W=	.013446 / .4	T=	1.557 / 10.3
LAT= 6.0	U=	1.924 / 5.5	V=	1.815 / 8.5	W=	.011450 / .3	T=	1.366 / 10.4
LAT= 12.0	U≖	2.017 / 5.5	V =	3.042 / 8.5	₩≃	.006195 / 12.0	T=	.860 / 10.5
LAT= 18.0	U=	1.950 / 5.5	V =	3.345 / 8.5	₩=	.002298 / 8.5	T=	.236 / 11.5
LAT= 24.0	U=	1.569 / 5.5	V =	2.762 / 8.5	W=	.008216 / 7.0	T=	.490 / 3.5
LAT= 30.0	U=	.883 / 5.6	V =	1.628 / 8.5	W=	.012926 / 6.8	T=	.934 / 3.7
LAT= 36.0	U≖	.061 / 6.1	V =	.389 / 8.5	W=	.014960 / 6.7	T=	1.141 / 3.8
LAT= 42.0	U=	.674 / 11.5	٧±	.597 / 2.5	W=	.014407 / 6.7	T=	1.120 / 3.6
LAT= 48.0	U≠	1.150 / 11.5	V =	1.160 / 2.5	W=	.012037 / 6.6	T =	.943 / 3.8
LAT= 54.0	U=	1.281 / 11.4	V =	1.320 / 2.5	W=	.008834 / 6.6	T=	.689 / 3.1
LAT= 60.0	U≖	1.246 / 11.4	V=	1.189 / 2.4	w =	.005784 / 6.6	T=	.458 / 3.6
LAT= 66.0	U=	.858 / 11.3	٧±	.936 / 2.3	W=	.003113 / 6.6	T=	.230 / 3.6
LAT= 72.0	Ü≖	.739 / 11.2	٧=	.654 / 2.1	W=	.001947 / 7.4	T=	.159 / 4.5
LAT# 78.0	Ü=	.371 / 10.5	V=	.357 / 2.0	W=	.001181 / 4.9	Ť=	.095 / 1.9
	•	10,1, , 1013	•	1031 / 210	•	100.101 / 413		.033 / 1
Z= 96.638	KM							
A1= 0.0	U=	2.365 / 5.2	V=	0.000 / 6.8	W=	.016344 / 11.7	T=	1.788 / 9.9
AT= 0.0	U=	2.427 / 5.2	V=	2.271 / 8.1	W=	.014154 / 11.7	T=	1.561 / 9.5
	U=		-					
AT= 12.0	_	2.514 / 5.2	V =	3.847 / 8.1	W≃	.008238 / 11.5	† =	.960 / 10.
AT= 18.0	U=	2.406 / 5.3	V =	4.303 / 8.1	W=	.001608 / 8.9	T =	.251 / 11.
AT= 24.0	U=	1.916 / 5.3	V =	3.630 / 8.1	M=	.008322 / 6.4	T=	.632 / 3.
AT= 30.0	U=	1.042 / 5.6	٧×	2.179 / 8.2	W=	.014527 / 6.2	T=	1.128 / 3.1
AT= 36.0	U=	.361 / 8.7	٧×	.537 / 9.1	W =	.017795 / 6.3	T=	1.329 / 3.4
LAT= 42.0	U=	1.282 / 10.4	V =	1.129 / 1.3	W =	.017925 / 6.3	T=	1.256 / 3.5
AT= 48.0	U=	2.083 / 10.5	V =	2.129 / 1.5	W =	.015584 / 6.4	T=	1.009 / 3.5
LAT= 54.0	U≠	2.471 / 10.5	V =	2.588 / 1.5	W =	.011869 / 6.5	T=	.696 / 3.0
LAT= 60.0	U=	2.536 / 10.5	V=	2.570 / 1.4	W=	.008026 / 6.7	T =	.427 / 3.
LAT= 66.0	U=	2.148 / 10.3	V =	2.246 / 1.3	M =	.004573 / 6.9	T=	.199 / 3.1
AT= 72.0	U=	1.810 / 10.4	V =	1.742 / 1.2	W=	.003054 / 7.5	T =	.147 / 4.9
AT≃ 78.0	U=	1.203 / 9.7	V =	1.129 / 1.2	W=	.001178 / 5.7	T=	.075 / 2.0
:= 100.017	км							
AT= 0.0	U=	2.935 / 5.1	\/ -	0.000 / 7.2	141 =	022005 / 10 8	T=	2 057 / 9.
			V =		W=	.023065 / 10.8		
AT= 6.0	U≐	•	V =	2.972 / 7.8	W=	.020009 / 10.9	Ţ×	1.7 3 / 9.3
AT= 12.0	U=	3.100 / 5.1	V =	5.088 / 7.8	W=	.011756 / 10.9	Ţ=	1.093 / 9.5
AT= 18.0	U=	2.945 / 5.1	V =	5.778 / 7 .9	W =	.000743 / 10.5	T=	.347 / 11.4
AT = 24.0	U=	2.279 / 5.2	V =	4.925 / 7.9	W=	.010128 / 5.1	T =	.904 / 2.3
AT= 30.0	U=	1.068 / 5.7	V =	2.877 / 8.1	W =	.018279 / 5.3	T=	1.535 / 2.6
AT= 36.0	U=	.995 / 9.6	V =	.735 / 10.4	W =	.022415 / 5.4	T =	1.811 / 2.1
_AT= 42.0	U =	2.754 / 10.3	V =	2.631 / 1.1	W =	.022540 / 5.7	Ť=	1.731 / 2.8
AT= 48.0	U=	4.328 / 10.4	V =	4.589 / 1.3	W =	.019666 / 5.9	T =	1.405 / 3.0
AT= 54.0	U=	5.302 / 10.4	V =	5.687 / 1.4	W =	.015172 / 6.2	T=	.980 / 3.1
AT= 60.0	U≈	5.634 / 10.4	V =	5.868 / 1.4	W =	.010538 / 6.5	T =	.599 / 3.3
AT= 66.0	U≠	5.096 / 10.4	V =	5.322 / 1.4	w =	.006251 / 6.8	T =	.278 / 3.9
							_	
AT = 72.0	U≃	4.349 / 10.5	V =	4.257 / 1.4	W =	.004389 / 7.3	T=	.204 / 4.4

Table B5. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to 78° N in 6° Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

= 103.521	KM									
AT= 0.0	U≃	3.634 /	4.4	V =	0.000 / B.2	W =	.032134 / 9.9	T=	2.840 /	8.
AT= 6.0	U=	3.682 /	4.4	V=	4.155 / 6.6	₩≖	.027897 / 10.0	T=	2.437 /	8.
AT= 12.0	U≈	3.704 /	4.4	V =	7.120 / 6.7	W=	.016571 / 10.1	1=	1.389 /	8.
AT= 18.0	U=	3.412 /	4.4	V =	8.089 / 6.8	W=	.002746 / 11.9	T=	.592 /	
AT= 24.0	U=	2.587 /	4.9	V =	6.904 / 7.1	₩≖	.013002 / 3.7	T=	1.612 /	1.
AT = 30.0	U=	1.893 /	6.5	V =	4.291 / 7.8	W=	.022929 / 4.0	T=	2.477 /	1.
AT= 36.0	U=	3.414 /	8.3	V=	3.330 / 10.1	W=	.027194 / 4.3	T≃	2.782 /	1.
AT= 42.0	U≠	6.074 /	8.8	V =	6.265 / 11.5	W=	.026280 / 4.6	T=	2.569 /	1.
AT= 48.0	U=	8.576 /	9.0	V=	9.307 / 11.9	₩=	.022090 / 4.9	T=	2.033 /	2.
AT= 54.0	U≠	10.257 /	9.2	٧×	11.132 / .1	₩=	.016641 / 5.4	T=	1.402 /	2.
AT= 60.0	U=	10.806 /	9.3	V=	11.470 / .3	₩≠	.011685 / 5.6	T=	.872 /	3.
AT= 66.0	U=	10.035 /	9.4	V=	10.485 / .4	₩=	.007117 / 6.4	T=	.440 /	3.
AT= 72.0	U=	8.408 /	9.6	V=	8.483 / .5	W=	.005509 / 7.0	T=	.395 /	4.
AT= 78.0	U=	6.088 /	9.5	V=	5.818 / .6	W=	.001617 / 6.2	T=	.099 /	2.
= 107.177	KM									
AT= 0.0	U=	3.931 /	3.6	V=	0.000 / 9.4	W =	.038878 / 8.9	T=	3.781 /	6.
AT= 6.0	Ŭ=	3.929 /	3.6	V=	4.909 / 5.4	W=	.034073 / 8.9	Ť=	3.259 /	6.
AT= 12.0	U=	3.843 /	3.6	V=	8.406 / 5.5	W=	.021399 / 9.2	T=	1.920 /	7.
AT= 18.0	U=	3.483 /	3.8	V=	9.571 / 5.7	W=	.007538 / 10.9	T=	.983 /	ģ.
AT= 24.0	Ŭ≠	2.891 /	4.5	V=	8.358 / 6.1	W=	.014747 / 1.9	Ť=	2.224 /	
AT= 30.0	U=	3.244 /	5.9	V=	6.080 / 7.1	W=	.025055 / 2.5	T=	3.352 /	
AT= 36.0	Ü=	5.514 /	7.0	V=	6.230 / 8.9	W=	.029057 / 2.8	T=	3.765 /	-:
AT= 42.0	Ü=	8.612 /	7.4	٧×	9.506 / 9.9	W=	.027086 / 3.1	T=	3.508 /	
AT= 48.0	Ü=	11.471 /	7.7	V =	12.838 / 10.5	W =	.021629 / 3.5	T=	2.846 /	١.
AT= 54.0	≠نا	13.414 /	7.8	V=	14.809 / 10.8	W=	.015361 / 4.1	T=	2.089 /	1.
AT= 60.0	U=	13.949 /	8.0	V=	15.075 / 11.0	W=	.010628 / 4.7	Ť=	1.463 /	2.
AT= 66.0	U≠	13.056 /	8.1	V=	13.760 / 11.2	W=	.006355 / 5.5	T=	.878 /	2.
AT= 72.0	U≖	10.945 /	8.4	٧×	11.165 / 11.3	W=	.005868 / 6.0	T=	.822 /	3.
AT= 78.0	U≖	8.105 /	8.3	٧×	7.677 / 11.4	W=	.000695 / 5.3	T=	.132 /	2.
= 111.019	KM									
AT= 0.0	U≠	3.686 /	2.8	٧≭	.001 / 8.7	W=	.042605 / 7.9	T=	4.940 /	5.
AT= 6.0	υ=	3.622 /	2.7	٧×	4.791 / 4.2	W=	.037736 / 7.9	T=	4.332 /	5.
AT= 12.0	U=	3.411 /	2.8	V=	8.284 / 4.3	W≃	.025216 / 8.3	T=	2.802 /	5.
AT= 18.0	U=	3.021 /	3.0	V =	9.647 / 4.5	W=	.013265 / 9.9	T=	1.689 /	7.
AT= 24.0	U=	2.721 /	3.8	V =	8.892 / 5.0	W=	.018346 / .1	T=	2.837 /	9.
AT= 30.0	υ=	3.519 /	5.0	V =	7.280 / 5.9	W=	.027834 / .8	T=	4.186 /	
AT= 36.0	U=	5.730 /	5.7	V=	7.438 / 7.3	W =	.031522 / 1.2	T=	4.771 /	
AT= 42.0	Ü=	8.536 /	6.1	V=	10.009 / B.4	W=	.028962 / 1.5	Ť=	4.565 /	
AT= 48.0	Ū=	11,105 /	6.4	V =	12.836 / 9.0	W=	.022535 / 1.9	T=	3.848 /	
AT= 54.0	υ=	12.901 /	6.6	V=	14.540 / 9.4	W=	.015142 / 2.4	T=	2.977 /	
AT= 60.0	Ū≖	13.360 /	6.8	V=	14.729 / 9.7	W=	.009695 / 3.1	Ť=	2.217 /	
AT= 66.0	U=	12.631 /	6.9	V=	13.457 / 9.9	W=	.004990 / 3.8	T=	1.406 /	٦.
AT= 72.0	Ű≖	10.766 /	7.3	v=	10.971 / 10.1	W=	.005569 / 4.4	T=	1.270 /	1.
AT= 78.0	U≖	7.893 /	7.1	V=	7.600 / 10.3	W=	.000696 / 12.0	T=	.174 /	

Table B5. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\circ}N$ in 6° Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 115.091 KM					
LAT= 0.0 U=	3.055 / 1.9	V= .001 /	7.9 W=	.043475 / 6.9	T= 5.756 / 4.0
LAT= 6.0 U=	2.947 / 1.9	V= 4.248 /	3.0 W=	.038782 / 7.0	T= 5.111 / 4.2
LAT= 12.0 U=	2.650 / 1.9	V= 7.436 /	3.2 W=	.027116 / 7.5	T= 3.539 / 4.8
LAT= 18.0 U=	2.258 / 2.3	V= 8.882 /	3.4 W=	.017797 / 9.0	T# 2.514 / 6.4
LAT= 24.0 U=	2.167 / 3.2	V= 8.587 /	3.9 W=	.023343 / 10.8	T= 3.615 / 8.0
LAT= 30.0 U=	3.087 / 4.2	V= 7.471 /	4.7 W=	.032614 / 11.5	T= 5.071 / 8.7
LAT= 36.0 U=	4.953 / 4.7	V= 7.320 /	5.9 W=	.036591 / 11.9	T= 5.793 / 9.1
LAT= 42.0 U=	7.204 / 5.0	V= 8.919 /	6.9 W=	.034287 / .2	T= 5.664 / 9.5
LAT= 48.0 U=	9.269 / 5.3	V= 10.991 /	7.6 W=	.027643 / .5	T= 4.931 / 9.9
LAT = 54.0 U=	10.793 / 5.5	V= 12.330 /	8.1 W=	.019538 / .8	T= 3.960 / 10.3
LAT= 60.0 U=	11.210 / 5.7	V= 12.507 /	8.5 W=	.012627 / 1.4	T= 3.007 / 10.8
LAT= 66.0 U=	10.753 / 5.8	V= 11.498 /	8.8 W=	.006294 / 1.8	T= 1.933 / 11.1
LAT= 72.0 U=	9.330 / 6.2	v≖ 9.489 /	9.0 W=	.006670 / 2.6	T= 1.660 / 11.6
LAT= 78.0 U=	6.804 / 6.0	v= 6.694 /	9.2 w=	.001685 / 11.3	T# .310 / 10.5
Z= 119.451 KM					
LAT= 0.0 U=	2.347 / 1.1	v= .001 /	7.2 W=	.042621 / 6.1	T= 5.739 / 3.0
LAT= 6.0 U=	2.224 / 1.1	V= 3.611 /	2.0 W=	.038124 / 6.3	T= 5.124 / 3.2
LAT= 12.0 U=	1.914 / 1.2	V= 6.386 /	2.2 W=	.027365 / 6.8	T= 3.687 / 3.9
LAT= 18.0 U=	1.591 / 1.7	V= 7.781 /	2,4 W=	.020763 / 8.4	T= 2.983 / 5.5
LAT= 24.0 U=	1.699 / 2.7	V= 7.778 /	2.9 W=	.028306 / 9.8	T= 4.217 / 6.8
LAT= 30.0 U=	2.626 / 3.5	V= 7.027 /	3.6 W=	.038591 / 10.5	T# 5.755 / 7.5
LAT = 36.0 U=	4.163 / 3.9	V= 6.753 /	4.7 W=	.043638 / 10.8	T= 6.602 / 7.9
LAT= 42.0 U=	5.965 / 4.1	V= 7.701 /	5.7 W=	.042185 / 11.1	T= 6.602 / 8.3
LAT= 48.0 U=	7.644 / 4.3	V= 9.187 /	6.4 W=	.035752 / 11.5	T= 5.938 / 8.6
LAT= 54.0 U=	8.972 / 4.5	V= 10.254 /	7.0 W=	.027287 / 11.8	T= 4.965 / 9.0
LAT= 60.0 U=	9.387 / 4.7	V= 10.461 /	7.4 W=	.018984 / .2	T= 3.857 / 9.4
LAT= 66.0 U=	9.137 / 4.8	V= 9.721 /	7.7 W=	.010672 / .5	T= 2.539 / 9.6
LAT = 72.0 U=	8.020 / 5.2	V= 8.160 /	8.0 W=	.009851 / 1.2	T# 2.066 / 10.1
LAT= 78.0 U=	5.846 / 5.0	V* 5.889 /	8.3 W=	.002394 / 10.8	T= .483 / 9.3
Z= 124.175 KM					
	4 740 / 0			040000 / F 4	
LAT= 0.0 U=	1.749 / .3	V= .001 /	6.6 W=	.040992 / 5.4	T= 5.048 / 2.2
LAT= 6.0 U≈	1.630 / .4	V= 3.027 /	1.2 W=	.036606 / 5.5	T# 4.505 / 2.4
LAT= 12.0 U=	1.349 / .6	V≈ 5.395 /	1.3 W=	.026504 / 6.2	T= 3.296 / 3.2
LAT = 18.0 U=	1.140 / 1.3	V= 6.675 /	1.6 W=	.022445 / 7.8	T= 2.974 / 4.8
LAT = 24.0 U=	1.420 / 2.3	V= 6.847 /	2.0 W=	.032626 / 9.1	T= 4.378 / 6.0
LAT = 30.0 U=	2.314 / 2.9	V= 6.392 /	2.7 W=	.044731 / 9.7	T= 5.979 / 6.6
LAT: 36.0 U=	3.630 / 3.1	V= 6.194 /	3.6 W=	.051426 / 10.1	T# 6.949 / 7.0
LAT= 42.0 U=	5.149 / 3.3	V= 6.845 /	4.6 W=	.051264 / 10.4	T* 7.120 / 7.4
LAT= 48.0 U=	6.587 / 3.4	V= 7.964 /	5.4 W=	.045401 / 10.7	T* 6.601 / 7.7
LAT = 54.0 U=	7.786 / 3.6	V= 8.627 /	6.0 W=	.036919 / 11.0	T= 5.726 / 8.0
LAT = 60.0 U=	8.184 / 3.8	V= 9.028 /	6.4 W=	.027465 / 11.4	T= 4.561 / 8.4
LAT= 66.0 U=	8.015 / 3.9	V= 8.458 /	6.8 W=	.016984 / 11.6	T= 3.091 / 8.5
LAT= 72.0 U=	7.055 / 4.4	V= 7.196 /	7.1 W=	.014721 / .3	T# 2.428 / 9.0
LAT= 78.0 U=	5.131 / 4.1	V= 5.291 /	7.4 w=	.003028 / 10.5	T# .634 / 8.5

Table B5. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\rm O}N$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 129.367 KM							
LAT= 0.0 U=	1.271 / 11.7	٧×	0.000 / 5.9	W=	.038901 / 4.6	T=	4.097 / 1.6
LAT= 6.0 U=	1.163 / 11.8	v=	2.543 / .3	W=	.034556 / 4.8	T=	3.635 / 1.8
LAT= 12.0 U=	.930 / .2	٧×	4.550 / .5	₩≖	.024832 / 5.6	T=	2.650 / 2.6
LAT= 18.0 U=	.855 / 1.1	V =	5.677 / .8	W=	.022968 / 7.3	T=	2.657 / 4.4
LAT= 24.0 U=	1.268 / 1.9	V =	5.917 / 1.2	W=	.035840 / 8.5	T=	4.180 / 5.5
LAT= 30.0 U=	2.138 / 2.2	V =	5.664 / 1.9	W=	.050121 / 9.1	T≖	5.816 / 6.0
LAT= 36.0 U=	3.344 / 2.3	٧×	5.609 / 2.8	₩=	.058889 / 9.4	T =	6.899 / 6.4
LAT= 42.0 U=	4.720 / 2.5	V =	6.192 / 3.7	W=	.060491 / 9.8	T=	7.254 / 6.7
LAT= 48.0 U=	6.024 / 2.6	٧×	7.140 / 4.5	W=	.055674 / 10.1	T=	6.919 / 7.0
LAT= 54.0 U=	7.150 / 2.8 7.527 / 3.0	V= V=	7.894 / 5.1 8.103 / 5.5	₩=	.047606 / 10.4	T=	6.195 / 7.3
LAT= 66.0 U=	7.361 / 3.1	V=	8.103 / 5.5 7.656 / 5.9	₩=	.037278 / 10.8	T-	5.052 / 7.6 3.523 / 7.7
LAT= 72.0 U=	6.475 / 3.5	V=	6.596 / 6.3	W=	.024603 / 11.0 .020684 / 11.6	T=	2.714 / 8.2
LAT= 78.0 U=	4.674 / 3.3	V=	4.935 / 6.5	W=	.003813 / 10.4	T=	.755 / 7.9
	110,4 , 516	• -		W -			.,,,,,,,,
Z= 135.169 KM							
l	007 / 44 0		0.000 / 5.0			-	
LAT= 0.0 U=	.887 / 11.2 .797 / 11.3	V = V =	0.000 / 5.3 2.149 / 11.6	₩≃	.036579 / 3.9	T= T=	3.176 / .9
LAT# 12.0 U#	.634 / 11.9	٧×	3.850 / 11.7	₩≠	.032231 / 4.1 .022621 / 5.0	T=	2.781 / 1.1 1.965 / 2.1
LAT= 18.0 U=	.717 / 1.0	٧=	4.820 / 12.0	W=	.022515 / 6.9	T=	2.223 / 4.0
LAT= 24.0 U=	1.231 / 1.6	V=	5.061 / .5	W=	.037809 / 8.0	T=	3.807 / 5.0
LAT= 30.0 U=	2.108 / 1.7	V ≠	4.924 / 1.2	₩≠	.054238 / 8.5	Ť=	5.450 / 5.5
LAT= 36.0 U=	3.290 / 1.7	V≖	4.994 / 2.1	W=	.065214 / 8.9	T=	6.625 / 5.9
LAT= 42.0 U=	4.619 / 1.8	V=	5.610 / 3.0	W =	.068845 / 9.2	T=	7.151 / 6.1
LAT= 48.0 U=	5.862 / 1.9	V =	6.531 / 3.7	W =	.065418 / 9.6	T=	6.998 / 6.4
LAT= 54.0 U=	6.961 / 2.1	V=	7.291 / 4.3	W=	.058093 / 9.9	T=	6.435 / 6.7
i LAT= 60.0 U=	7.326 / 2.2	V=	7.575 / 4.7	W=	.047172 / 10.3	T=	5.357 / 7.0
LAT= 66.0 U=	7.126 / 2.3 6.276 / 2.7	V= V=	7.258 / 5.1 6.353 / 5.5	₩= ₩=	.032542 / 10.5	T=	3.831 / 7.1
LAT= 78.0 U=	4.465 / 2.5	V =	6.353 / 5.5 4.843 / 5.7	W=	.026854 / 11.0 .004888 / 10.2	T=	2.920 / 7.5 .850 / 7.3
ZX12 78.0 02	4.405 / 2.5	٧-	4.643 / 5.7	* -	.004888 / 10.2	'-	.850 / 7.3
Z= 141.772 KM							
LAT= 0.0 U=	.582 / 10.8	V=	0.000 / 4.6	W=	.034479 / 3.2	T=	2.421 / .1
LAT= 6.0 U=	.520 / 11.1	٧=	1.831 / 10.8	W=	.030069 / 3.4	T=	2.070 / .4
LAT# 12.0 U#	.465 / 12.0	V =	3.280 / 11.0	W=	.020241 / 4.3	T=	1.340 / 1.5
LAT= 18.0 U=	.708 / 1.0	٧×	4.103 / 11.2	W=	.021380 / 6.4	T=	1.775 / 3.8
LAT= 24.0 U=	1.294 / 1.2	V ≃	4.307 / 11.7	W=	.038737 / 7.6	T =	3.378 / 4.7
LAT= 30.0 U=	2.197 / 1.2	٧×	4.210 / .5	W=	.057082 / 8.0	T =	5.004 / 5.1
LAT = 36.0 U=	3.387 / 1.2	V =	4.353 / 1.4	W=	.070159 / 8.4	Ţ=	6.245 / 5.4
LAT= 42.0 U=	4.699 / 1.2	٧z	5.035 / 2.3	W=	.075861 / B.7	T =	6.915 / 5.7
LAT= 48.0 U=	5.907 / 1.3	V =	6.013 / 3.0	W=	.073986 / 9.1	T=	6.927 / 5.9
LAT= 54.0 U=	7.001 / 1.4 7.366 / 1.6	V = V =	6.866 / 3.6 7.284 / 4.0	W=	.067577 / 9.4	T= T=	6.514 / 6.2
LAT= 60.0 U=	7.143 / 1.6	V =	7.284 / 4.0 7.122 / 4.4	W=	.056279 / 9.8 .040088 / 10.0	T=	5.522 / 6.5 4.039 / 6.5
LAT= 72.0 U=	6.313 / 2.0	V= V≖	6.359 / 4.7	w= W⇒	.032675 / 10.5	T=	3.061 / 6.9
LAT= 78.0 U=	4.429 / 1.8	V=	4.946 / 5.0	W=	.006378 / 9.9	Ť-	.930 / 6.7
,		• -	, 5.0			•-	1000 , 0

Table B5. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 149.425	KM									
LAT= 0.0	U≠	.360 / 10.9	٧×	0.000 / 3.9	W=	.033166 /	2.5	T=	1.901 /	11.
LAT= 6.0	Ü=	.347 / 11.3	V=	1.571 / 10.1	W=	.028592 /	2.6	T=	1.574 /	
LAT= 12.0	ÜΨ	.437 / .3	٧×	2.812 / 10.2	₩≖	.018100 /	3.6	T=	826 /	• • •
AT= 18.0	Ū=	.790 / .8	٧×	3.510 / 10.5	W=	.019898 /	6.0	T=	1.353 /	з.
AT= 24.0	υ =	1.417 / .9	٧×	3.658 / 11.0	W=	.039075 /	7.1	T=	2.937 /	4.
AT= 30.0	Ū=	2.335 / .8	V=	3.543 / 11.7	w =	.059128 /	7.6	T=	4.522 /	4.
AT= 36.0	Ŭ≠	3.514 / .8	V=	3.698 / .8	w=	.074142 /	7.9	T=	5.801 /	4.
AT= 42.0	Ū=	4.787 / .8	V =	4.431 / 1.7	w=	.081875 /	8.2	T=	6.586 /	5.
AT= 48.0	U=	5.940 / .8	٧×	5.497 / 2.5	W=	.081637 /	8.6	T=	6.739 /	5
AT= 54.0	U=	7.019 / .9	٧×	6.477 / 3.0	W=	.076240 /	8.9	T=	6.463 /	5.
AT= 60.0	Ü*	7.393 / 1.0	V =	7.051 / 3.4	w =	.064685 /	9.3	Ť=	5.568 /	5
AT= 66.0	U=	7.176 / 1.0	V±	7.046 / 3.8	W=	.047256 /	9.5	T-	4.158 /	6
AT= 72.0	U=	6.368 / 1.4	V=	6.413 / 4.1	W=	.038230 / 1		Ť=	3.142 /	6.
AT= 78.0	U=	4.440 / 1.2	V=	5.089 / 4.3	W=	.008437 /		Ť=	1.004 /	6
	0-	4.440 / 1.2	٧-	3.063 / 4.3	-	.000437 /	3.0	'-	7.004 /	٠.
?= 158.420	KM									
AT= 0.0	U=	.287 / 11.8	V =	0.000 / 3.1	W=	.032984 /	1.7	T≃	1.651 /	10
AT= 6.0	U≖	.331 / 12.0	V=	1.362 / 9.3	₩=	.028161 /	1.9	Ť=	1.343 /	
AT= 12.0	U=	.517 / .4	V =	2.435 / 9.4	W=	.016586 /	2.8	T=	.513 /	
	U≖	.902 / .5								
AT= 18.0	-		V =		₩=	.018283 /	5.5	T=	.979 /	3
AT= 24.0	υ= !!-	1.522 / .5	V =	3.099 / 10.2	W=	.039158 /	6.6	T=	2.508 /	4
AT= 30.0	U≖	2.404 / .4	V =	2.910 / 11.0	W =	.060880 /	7.1	T=	4.032 /	4
AT= 36.0	U≠	3.523 / .3	V =	3.002 / .1	W =	.077840 /	7.4	T=	5.322 /	4.
AT= 42.0	U =	4.723 / .3	٧×	3.751 / 1.2	W=	.087719 /	7.7	T =	6.195 /	4.
AT= 48.0	U=	5.806 / .4	V =	4.904 / 1.9	W≖	.089362 /	8.1	T=	6.472 /	5
AT= 54.0	U=	6.868 / .5	V =	6.021 / 2.5	₩=	.085212 /	8.4	T =	6.320 /	5.
AT= 60.0	U=	7.278 / .5	V =	6.757 / 2.9	W =	.073526 /	8.8	T=	5.528 /	5
AT= 66.0	U=	7.107 / .5	V≖	6.903 / 3.3	W=	.054953 /	8.9	T=	4.211 /	5.
AT= 72.0	U=	6.343 / .8	V =	6.393 / 3.6	W =	.044316 /	9.4	T=	3.181 /	5.
AT= 78.0	U=	4.429 / .6	V=	5.162 / 3.8	₩=	.011204 /	9.2	T≃	1.078 /	5.
. 181.310	KM									
AT= 0.0	U=	.552 / .5	V×	0.000 / 1.5	W =	.035556 /	. 4	T =	1.678 /	8
AT= 6.0	U=	.595 / .4	V =	1.100 / 7.8	W=	.030227 /	.5	T=	1.426 /	8
AT= 12.0	Ü=	.755 / .1	V =	1.965 / 7.9	W =	.016405 /	1.3	T=	.712 /	8
AT= 18.0	Ü=	1.077 / 11.9	V=	2.416 / 8.1	W=	.015698 /	4.5	T=	.490 /	4
AT= 24.0	Ü=	1.596 / 11.7	٧=	2.379 / 8.5	W=	.039543 /	5.7	T≠	1.786 /	3
AT= 30.0	U=	2.337 / 11.5	V =	1.950 / 9.2	W=	.064846 /	6.1	T=	3.164 /	3
AT= 36.0	U=	3.302 / 11.4	V =	1.621 / 10.6	W=	.086212 /	6.4	T=	4.434 /	3.
AT= 42.0	U=	4.368 / 11.4	V =	2.218 / .3	W=	.101139 /	6.8	T=	5.425 /	4.
AT= 42.0	U=	5.341 / 11.4	V =	3.505 / 1.2	W =	.107673 /	7.1	T=	5.903 /	4.
AT= 48.0	U=	6.393 / 11.5	V =	4.892 / 1.7	w= W=	.107673 /	7.4	T=	5.964 /	4.
AT= 54.0	U=	6.940 / 11.6	V = V ≠				7.8	T =		
				5.975 / 2 .0	W =	.095873 /		T#	5.366 /	4.
AT= 66.0	U=	6.923 / 11.5	V =	6.459 / 2 .3	W=	.074639 /	7.9		4.236 /	4.
AT= 72.0	U≖	6.321 / 11.7	V =	6.207 / 2.6	W =	.060539 /	8.4	T =	3.214 /	5.

Table B5. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\rm O}{\rm N}$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 209.865 KM								
LAT= 0.0 U=	.785 / .1	٧×	0.000 / .3	W=	.038628 / 11.4	T=	1.829 / 7	7.7
LAT= 6.0 U=	.800 / 12.0	V=	1.020 / 6.5	W =	.032927 / 11.5	T=		7.7
LAT= 12.0 U=	.881 / 11.7	V =	1.844 / 6.6	W=	.017971 / .3	T=		7.5
LAT= 18.0 U=	1.096 / 11.3	٧z	2.310 / 6.8	W=	.015794 / 3.6	T=	.467 / 5	5.3
LAT= 24.0 U≠	1.502 / 11.0	V=	2.320 / 7.0	W =	.041318 / 4.8	T =	1.373 / 3	3.4
LAT= 30.0 U=	2.141 / 10.8	V =	1.855 / 7.4	W=	.069443 / 5.2	T≠		3.3
LAT= 36.0 U=	3.038 / 10.6	V =	1.048 / 8.3	M =	.094591 / 5.6	T =		3.5
LAT= 42.0 U=	4.079 / 10.6	V≠	.952 / 11.3	W=	.113849 / 6.0	T=		3.6
LAT= 48.0 U=	5.037 / 10.6	V =	2.291 / .6	W=	.124783 / 6.3	T=		3.8
LAT= 54.0 U=	6.115 / 10.7	V =	3.882 / 1.1	W=	.127902 / 6.7	T =		4.0
LAT= 60.0 U=	6.803 / 10.8	V=	5.270 / 1.4	W=	.117215 / 7.1	T=		4.2
LAT= 66.0 U=	6.935 / 10.7	V=	6.086 / 1.6	W=	.093307 / 7.3	T=		4.2
LAT= 72.0 U=	6.518 / 11.0	V=	6.095 / 1.9	W=	.076619 / 7.7	1=		4.5
LAT= 78.0 U=	4.480 / 10.9	٧=	5.169 / 2.0	W=	.024960 / 8.0	T=	1.325 / 4	4.4
Z= 240.988 KM								
LAT= 0.0 U=	.894 / 11.8	V =	0.000 / 11 5	W=	020540 / 10 0	•-	4 034 / 3	- 4
LAT= 6.0 U=	.890 / 11.7	V = V =	0.000 / 11.5 1.036 / 5.7		.039510 / 10.8	T= T=		7.4
LAT = 12.0 U=	.912 / 11.4	V=	1.896 / 5.8	W=	.033537 / 10.9	T=		7.4
LAT= 18.0 U=	1.041 / 11.0	V =	2.430 / 5.9	w = W =	.018321 / 11.8 .018276 / 3.0	1 = T =		7.2 5.7
LAT= 24.0 U=	1.375 / 10.5	V=	2.540 / 6.1	W=	.044777 / 4.1	7=		3.5
LAT= 30.0 U=	1.978 / 10.2	V =	2.178 / 6.3	₩≃	.074337 / 4.6	T=		3.2
LAT= 36.0 U=	2.890 / 10.1	V=	1.358 / 6.7	W=	.101439 / 5.0	T=		3.3
LAT = 42.0 U=	3.986 / 10.0	V=	.325 / 9.0	W=	.122570 / 5.4	T=		3.4
LAT= 48.0 U=	4.989 / 10.1	V=	1.526 / .3	W=	.135152 / 5.8	Τz		3.6
LAT = 54.0 U=	6.105 / 10.2	٧×	3.258 / .8	W=	.139571 / 6.2	T=		3.8
LAT = 60.0 U=	6.884 / 10.3	V=	4.865 / 1.0	W=	.128660 / 6.6	T#		3.9
LAT= 66.0 U=	7.104 / 10.3	V=	5.922 / 1.2	w=	.102732 / 6.8	T=		1.0
LAT = 72.0 U=	6.808 / 10.5	V=	6.117 / 1.4	W =	.085244 / 7.4	T=		1.3
LAT= 78.0 U=	4.626 / 10.5	V =	5.266 / 1.6	W=	.028348 / 7.7	T=		1.2
Z= 272,801 KM								
	000 / 11 0		0.000 / 44			_		
LAT = 0.0 U=	.969 / 11.6	V =	0.000 / 11.1	W =	.038390 / 10.4	T=		7 . 2
LAT= 5.0 U=	.953 / 11.5	V =	1.081 / 5.2	W =	.032267 / 10.6	T=		7 . 2
LAT = 12.0 U=	.937 / 11.2	V =	1.992 / 5.3	W =	.017436 / 11.6	T =		7.0
LAT= 18.0 U=	1.012 / 10.8	V =	2.590 / 5.4	W=	.021737 / 2.6	Ţŧ		5.8
LAT = 24.0 U=	1.308 / 10.2	V =	2.777 / 5.6	W =	.049381 / 3.7	T =		3.5
		V =	2.495 / 5.8	W =	.079686 / 4.2	1=		3.2
LAT = 36.0 U=	2.871 / 9.7 4.037 / 9.7	V =	1.726 / 6.1	W=	.107377 / 4.6	T =		3.2
		V =	.520 / 6.6	W =	.128317 / 5.0	T =		3.3
	5.093 / 9.8 6.244 / 9.9	V =	1.103 / .2	W =	.140116 / 5.5	T =		3.5
LAT 54.0 U=	7.072 / 10.0	V =	2.944 / .6 4.702 / .8	w =	.143737 / 5.9	T =		3.6
LAT = 66.0 U=	7.329 / 10.0	V =		W =	.131681 / 6.3	T=		8.8
LAT = 72.0 U=	7.090 / 10.2	V =	5.914 / 1.0 6.215 / 1.2	W =	.104350 / 6.6	T=		3.9
LAT= 78.0 U=	4.783 / 10.2	V =	5.391 / 1.4	M=	.087344 / 7.1 .028906 / 7.6	T= T=		1.2

Table B5. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to $78^{\rm O}$ N in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 304.762 KM				
LAT= 0.0 U= LAT= 6.0 U= LAT= 12.0 U= LAT= 18.0 U= LAT= 24.0 U= LAT= 30.0 U= LAT= 36.0 U= LAT= 42.0 U= LAT= 48.0 U= LAT= 54.0 U= LAT= 66.0 U= LAT= 66.0 U= LAT= 72.0 U= LAT= 72.0 U=	1.039 / 11.4 1.015 / 11.4 .976 / 11.1 1.017 / 10.6 1.295 / 10.0 1.917 / 9.7 2.918 / 9.5 4.144 / 9.5 5.246 / 9.6 6.427 / 9.7 7.283 / 9.9 7.554 / 9.9 7.337 / 10.1 4.927 / 10.1	V= 2.806 / .	9 W= .029515 / 10.3 0 W= .015833 / 11.7 2 W= .025665 / 2.5 4 W= .054532 / 3.4 6 W= .085156 / 3.9 8 W= .112491 / 4.3 1 W= .131833 / 4.7 2 W= .141216 / 5.2 5 W= .142695 / 5.7 7 W= .128938 / 6.1 8 W= .100776 / 6.4 0 W= .085127 / 7.0	T= 2.047 / 7.2 T= 1.855 / 7.1 T= 1.315 / 7.0 T= .680 / 5.8 T= 1.142 / 3.5 T= 2.344 / 3.1 T= 3.641 / 3.2 T= 4.831 / 3.3 T= 5.611 / 3.4 T= 5.966 / 3.6 T= 5.598 / 3.8 T= 4.611 / 3.8 T= 3.542 / 4.1 T= 1.489 / 4.1
Z= 336.754 KM				
LAT= 0.0 U= LAT= 6.0 U= LAT= 12.0 U= LAT= 18.0 U= LAT= 24.0 U= LAT= 30.0 U= LAT= 36.0 U= LAT= 48.0 U= LAT= 48.0 U= LAT= 54.0 U= LAT= 66.0 U= LAT= 66.0 U= LAT= 72.0 U= LAT= 72.0 U=	1.102 / 11.4 1.073 / 11.3 1.018 / 11.1 1.039 / 10.6 1.309 / 9.9 1.948 / 9.5 2.987 / 9.4 4.260 / 9.4 5.399 / 9.5 6.607 / 9.6 7.482 / 9.8 7.760 / 9.8 7.550 / 10.0 5.057 / 10.0		B W= .025443 / 10.2 9 W= .014024 / 12.0 W= .029921 / 2.4 2 W= .059842 / 3.2 4 W= .090379 / 3.6 6 W= .116649 / 4.0 9 W= .133446 / 4.5 2 W= .139299 / 4.9 4 W= .137717 / 5.4 6 W= .121901 / 5.9 8 W= .093410 / 6.3 0 W= .079764 / 6.9	T= 2.093 / 7.1 T= 1.899 / 7.1 T= 1.354 / 7.0 T= .707 / 5.8 T= 1.151 / 3.5 T= 2.367 / 3.1 T= 3.688 / 3.1 T= 4.906 / 3.3 T= 5.708 / 3.4 T= 6.078 / 3.4 T= 6.078 / 3.8 T= 5.709 / 3.8 T= 3.617 / 4.1 T= 1.524 / 4.1
Z≃ 368.753 KM				
LAT= 0.0 U= LAT= 6.0 U= LAT= 12.0 U= LAT= 18.0 U= LAT= 24.0 U= LAT= 30.0 U= LAT= 36.0 U= LAT= 42.0 U= LAT= 48.0 U= LAT= 54.0 U= LAT= 56.0 U= LAT= 60.0 U= LAT= 78.0 U=	1.153 / 11.3 1.121 / 11.3 1.055 / 11.0 1.064 / 10.5 1.332 / 9.9 1.988 / 9.5 3.058 / 9.3 4.369 / 9.3 5.537 / 9.4 6.771 / 9.6 7.664 / 9.7 7.945 / 9.7 7.735 / 10.0	V= 0.000 / 10. V= 1.192 / 4. V= 2.221 / 4. V= 2.941 / 5. V= 3.243 / 5. V= 3.043 / 5. V= 2.294 / 5. V= 1.024 / 5. V= .714 / . V= 2.764 / . V= 4.772 / . V= 6.607 / . V= 5.765 / 1.	7 W= .020197 / 10.1 8 W= .012820 / .5 0 W= .034421 / 2.4 2 W= .065112 / 3.0 4 W= .095241 / 3.4 6 W= .119994 / 3.8 8 W= .133693 / 4.2 3 W= .135260 / 4.7 4 W= .129878 / 5.2 6 W= .111630 / 5.8 7 W= .083123 / 6.1 9 W= .071905 / 6.8	T= 2.139 / 7.1 T= 1.941 / 7.1 T= 1.388 / 6.9 T= .728 / 5.8 T= 1.169 / 3.5 T= 2.406 / 3.1 T= 3.754 / 3.1 T= 4.998 / 3.3 T= 5.820 / 3.4 T= 6.200 / 3.6 T= 5.827 / 3.8 T= 4.807 / 3.8 T= 3.694 / 4.1 T= 1.558 / 4.0

Table B5. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 0 to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km at the Equinoxes (Contd)

Z= 400.753	KM								
LAT= 0.0	U=	1.193 / 11.3	٧=	0.000 / 10.7	W=	.019617 / 9.	5 T=	2.184 /	7.
LAT= 6.0	U≖	1.158 / 11.2	٧×	1.219 / 4.7	₩≖	.013899 / 10.	0 T=	1.982 /	7.1
LAT= 12.0	U=	1.087 / 11.0	V×	2.273 / 4.8	₩×	.013239 / 1.	2 T=	1.418 /	6.
LAT= 18.0	Ų=	1.089 / 10.5	V≖	3.017 / 4.9	W=	.039029 / 2.	4 T=	.746 /	5.
LAT= 24.0	U=	1.359 / 9.9	V=	3.334 / 5.1	W=	.070171 / 2.	9 T=	1.191 /	3.
LAT= 30.0	U=	2.029 / 9.4	V=	3.138 / 5.3	W×	.099697 / 3.	2 T=	2.451 /	3.
LAT= 36.0	U=	3.125 / 9.3	V=	2.378 / 5.5	W=	.122752 / 3.	6 T=	3.826 /	3.
LAT= 42.0	U≖	4.467 / 9.3	٧×	1.082 / 5.7	W=	.133183 / 4.	0 T=	5.097 /	3.
LAT= 48.0	U=	5.662 / 9.4	٧.	.697 / .3	W=	.130041 / 4.		5.937 /	3.
LAT= 54.0	Ū≖	6.920 / 9.6	V=	2.794 / .4	₩=	.120237 / 4.	9 T=	6.326 /	3.
LAT= 60.0	Ú=	7.830 / 9.7	V=	4.852 / .5	₩×	.099026 / 5.		5.947 /	3.
LAT= 66.0	Ū=	8.116 / 9.7	V=	6.315 / .7	W=	.070522 / 5.		4.906 /	3.
LAT= 72.0	Ü=	7.903 / 10.0	٧×	6.738 / .9	W=	.061873 / 6.		3.771 /	4.
LAT= 78.0	Üs	5.282 / 10.0	V=	5.881 / 1.1	W=	.016839 / 8.		1.591 /	4.

Table B6. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From $78^{\rm O}{\rm S}$ to $78^{\rm O}{\rm N}$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km, at the December Solstice

The color of the									
AT=-78.0 U= .004 / 6.2 V= .006 / 2.9 W= 0.0000000 / 12.0 T= 0.000 / 12.0 LAT=-66.0 U= .006 / 6.0 V= .006 / 2.9 W= 0.000000 / 12.0 T= 0.000 / 12.0 LAT=-66.0 U= .008 / 5.9 V= .009 / 2.8 W= 0.000000 / 12.0 T= 0.000 / 12.0 LAT=-68.0 U= .013 / 6.0 V= .013 / 2.9 W= 0.000000 / 12.0 T= 0.000 / 12.0 LAT=-58.0 U= .013 / 6.0 V= .013 / 2.9 W= 0.000000 / 12.0 T= .001 / 2.0 LAT=-58.0 U= .015 / 6.1 V= .016 / 3.0 W= 0.000000 / 12.0 T= .001 / 2.0 LAT=-38.0 U= .015 / 6.1 V= .016 / 3.0 W= 0.000000 / 12.0 T= .002 / .9 LAT=-38.0 U= .016 / 6.1 V= .018 / 3.1 W= 0.000000 / 12.0 T= .002 / .9 LAT=-36.0 U= .016 / 6.1 V= .018 / 3.1 W= 0.000000 / 12.0 T= .002 / .9 LAT=-30.0 U= .016 / 6.1 V= .018 / 3.1 W= 0.000000 / 12.0 T= .003 / .8 LAT=-30.0 U= .016 / 6.1 V= .018 / 3.0 W= 0.000000 / 12.0 T= .003 / .8 LAT=-30.0 U= .016 / 6.1 V= .018 / 3.0 W= 0.000000 / 12.0 T= .005 / .8 LAT=-30.0 U= .016 / 6.1 V= .018 / 3.0 W= 0.000000 / 12.0 T= .005 / .8 LAT=-30.0 U= .014 / 5.8 V= .004 / 2.8 W= 0.000000 / 12.0 T= .005 / .8 LAT=-6.0 U= .013 / 5.8 V= .005 / 2.8 W= 0.000000 / 12.0 T= .007 / .8 LAT=-6.0 U= .013 / 5.8 V= .005 / 2.5 W= 0.000000 / 12.0 T= .007 / .8 LAT=-6.0 U= .012 / 5.8 V= .006 / 8.6 W= 0.000000 / 12.0 T= .007 / .8 LAT= 18.0 U= .012 / 5.8 V= .006 / 8.5 W= 0.000000 / 12.0 T= .007 / .8 LAT= 18.0 U= .012 / 5.8 V= .006 / 8.5 W= 0.000000 / 12.0 T= .007 / .8 LAT= 18.0 U= .012 / 5.8 V= .006 / 8.5 W= 0.000000 / 12.0 T= .007 / .8 LAT= 18.0 U= .012 / 5.8 V= .006 / 8.5 W= 0.000000 / 12.0 T= .007 / .8 LAT= 18.0 U= .012 / 5.8 V= .006 / 8.5 W= 0.000000 / 12.0 T= .007 / .8 LAT= 18.0 U= .012 / 5.8 V= .006 / 8.5 W= 0.000000 / 12.0 T= .007 / .8 LAT= 2.0 U= .012 / 5.8 V= .006 / 8.5 W= 0.000000 / 12.0 T= .007 / .8 LAT= 30.0 U= .012 / 5.8 V= .006 / 8.0 W= 0.000000 / 12.0 T= .007 / .8 LAT= 30.0 U= .012 / 5.8 V= .006 / 8.5 W= 0.000000 / 12.0 T= .007 / .8 LAT= 30.0 U= .012 / 5.8 V= .000000 / 8.5 W= 0.000000 / 12.0 T= .0000 / 12.0 T= .0000 / 12.0 U= .000000 / 12.0 U= .000000 / 12.0 U= .00000 / 12.0 U= .000000 / 12.0 U= .000000000000 / 12.0 U= .0000000000000000000000000	7- 0.000	VM							
LAT=-72.0 U= .006 / 6.0 V= .006 / 2.9 W= .000000 / 12.0 T= .0000 / 12.0 LAT=-60.0 U= .008 / 5.9 V= .009 / 2.8 M= .0000000 / 12.0 T= .0000 / 12.0 LAT=-54.0 U= .013 / 6.0 V= .013 / 2.9 M= 0.000000 / 12.0 T= .0000 / 12.0 LAT=-54.0 U= .013 / 6.0 V= .013 / 2.9 M= 0.000000 / 12.0 T= .001 / 2.0 LAT=-54.0 U= .015 / 6.1 V= .016 / 3.0 M= 0.000000 / 12.0 T= .001 / 2.0 LAT=-34.0 U= .015 / 6.1 V= .018 / 3.1 M= 0.000000 / 12.0 T= .001 / 2.0 LAT=-36.0 U= .016 / 6.1 V= .018 / 3.1 M= 0.000000 / 12.0 T= .002 / .9 LAT=-30.0 U= .016 / 6.1 V= .018 / 3.1 M= 0.000000 / 12.0 T= .003 / .8 LAT=-30.0 U= .016 / 6.1 V= .018 / 3.0 M= 0.000000 / 12.0 T= .003 / .8 LAT=-30.0 U= .016 / 6.1 V= .018 / 3.0 M= 0.000000 / 12.0 T= .005 / .8 LAT=-30.0 U= .015 / 5.9 V= .014 / 2.8 M= 0.000000 / 12.0 T= .005 / .8 LAT=-12.0 U= .014 / 5.8 V= .0014 / 2.8 M= 0.000000 / 12.0 T= .005 / .8 LAT=-12.0 U= .014 / 5.8 V= .006 / 2.3 M= 0.000000 / 12.0 T= .007 / .8 LAT=-12.0 U= .014 / 5.8 V= .006 / 2.3 M= 0.000000 / 12.0 T= .007 / .8 LAT=-12.0 U= .013 / 5.8 V= .003 / 1.3 M= 0.000000 / 12.0 T= .007 / .8 LAT=-12.0 U= .012 / 5.8 V= .003 / 1.3 M= 0.000000 / 12.0 T= .007 / .8 LAT=-18.0 U= .012 / 5.8 V= .003 / 1.3 M= 0.000000 / 12.0 T= .007 / .8 LAT=-18.0 U= .012 / 5.8 V= .003 / 1.3 M= 0.000000 / 12.0 T= .007 / .8 LAT=-18.0 U= .012 / 5.8 V= .003 / 1.3 M= 0.000000 / 12.0 T= .006 / .8 LAT=-18.0 U= .012 / 5.8 V= .003 / 1.3 M= 0.000000 / 12.0 T= .006 / .8 LAT=-18.0 U= .012 / 5.8 V= .0014 / 8.5 M= 0.000000 / 12.0 T= .006 / .8 LAT=-18.0 U= .012 / 5.8 V= .0014 / 8.5 M= 0.000000 / 12.0 T= .006 / .8 LAT=-20.0 U= .012 / 5.8 V= .0014 / 8.5 M= 0.000000 / 12.0 T= .006 / .8 LAT=-30.0 U= .012 / 5.9 V= .013 / 9.0 M= 0.000000 / 12.0 T= .006 / .8 LAT=-30.0 U= .012 / 5.9 V= .013 / 9.0 M= 0.000000 / 12.0 T= .006 / .8 LAT=-30.0 U= .012 / 6.0 V= .013 / 9.0 M= 0.000000 / 12.0 T= .006 / .8 LAT=-54.0 U= .010 / 6.3 V= .011 / 9.3 M= 0.000000 / 12.0 T= .000 / 12.0 LAT=-54.0 U= .016 / 6.4 V= .007 / 9.3 M= 0.000000 / 12.0 T= .001 / 1.0 U= .000 / 12.0 U= .000 / 6.5 V= .000 / 9.3 M= 0.000000 / 12.0 T= .00	2= 0.000	r/m							
LAT=-72.0 U= .006 / 6.0 V= .006 / 2.9 W= .000000 / 12.0 T= .0000 / 12.0 LAT=-60.0 U= .008 / 5.9 V= .009 / 2.8 M= .0000000 / 12.0 T= .0000 / 12.0 LAT=-54.0 U= .013 / 6.0 V= .013 / 2.9 M= 0.000000 / 12.0 T= .0000 / 12.0 LAT=-54.0 U= .013 / 6.0 V= .013 / 2.9 M= 0.000000 / 12.0 T= .001 / 2.0 LAT=-54.0 U= .015 / 6.1 V= .016 / 3.0 M= 0.000000 / 12.0 T= .001 / 2.0 LAT=-34.0 U= .015 / 6.1 V= .018 / 3.1 M= 0.000000 / 12.0 T= .001 / 2.0 LAT=-36.0 U= .016 / 6.1 V= .018 / 3.1 M= 0.000000 / 12.0 T= .002 / .9 LAT=-30.0 U= .016 / 6.1 V= .018 / 3.1 M= 0.000000 / 12.0 T= .003 / .8 LAT=-30.0 U= .016 / 6.1 V= .018 / 3.0 M= 0.000000 / 12.0 T= .003 / .8 LAT=-30.0 U= .016 / 6.1 V= .018 / 3.0 M= 0.000000 / 12.0 T= .005 / .8 LAT=-30.0 U= .015 / 5.9 V= .014 / 2.8 M= 0.000000 / 12.0 T= .005 / .8 LAT=-12.0 U= .014 / 5.8 V= .0014 / 2.8 M= 0.000000 / 12.0 T= .005 / .8 LAT=-12.0 U= .014 / 5.8 V= .006 / 2.3 M= 0.000000 / 12.0 T= .007 / .8 LAT=-12.0 U= .014 / 5.8 V= .006 / 2.3 M= 0.000000 / 12.0 T= .007 / .8 LAT=-12.0 U= .013 / 5.8 V= .003 / 1.3 M= 0.000000 / 12.0 T= .007 / .8 LAT=-12.0 U= .012 / 5.8 V= .003 / 1.3 M= 0.000000 / 12.0 T= .007 / .8 LAT=-18.0 U= .012 / 5.8 V= .003 / 1.3 M= 0.000000 / 12.0 T= .007 / .8 LAT=-18.0 U= .012 / 5.8 V= .003 / 1.3 M= 0.000000 / 12.0 T= .007 / .8 LAT=-18.0 U= .012 / 5.8 V= .003 / 1.3 M= 0.000000 / 12.0 T= .006 / .8 LAT=-18.0 U= .012 / 5.8 V= .003 / 1.3 M= 0.000000 / 12.0 T= .006 / .8 LAT=-18.0 U= .012 / 5.8 V= .0014 / 8.5 M= 0.000000 / 12.0 T= .006 / .8 LAT=-18.0 U= .012 / 5.8 V= .0014 / 8.5 M= 0.000000 / 12.0 T= .006 / .8 LAT=-20.0 U= .012 / 5.8 V= .0014 / 8.5 M= 0.000000 / 12.0 T= .006 / .8 LAT=-30.0 U= .012 / 5.9 V= .013 / 9.0 M= 0.000000 / 12.0 T= .006 / .8 LAT=-30.0 U= .012 / 5.9 V= .013 / 9.0 M= 0.000000 / 12.0 T= .006 / .8 LAT=-30.0 U= .012 / 6.0 V= .013 / 9.0 M= 0.000000 / 12.0 T= .006 / .8 LAT=-54.0 U= .010 / 6.3 V= .011 / 9.3 M= 0.000000 / 12.0 T= .000 / 12.0 LAT=-54.0 U= .016 / 6.4 V= .007 / 9.3 M= 0.000000 / 12.0 T= .001 / 1.0 U= .000 / 12.0 U= .000 / 6.5 V= .000 / 9.3 M= 0.000000 / 12.0 T= .00	1 AT 70 A		004 / 63	¥4	004 / 3 3	W= 0 0000	00 / 12 0	7	0 000 / 12 0
LAT=-66.0 U= .008 / 5.9 V= .009 / 2.8 W= 0.000000 / 12.0 T= 0.000 / 12.0 LAT=-68.0 U= .010 / 5.9 V= .011 / 2.9 W= 0.000000 / 12.0 T= 0.000 / 12.0 LAT=-84.0 U= .015 / 6.1 V= .016 / 3.0 W= 0.000000 / 12.0 T= .001 / .9 LAT=-84.0 U= .015 / 6.1 V= .016 / 3.0 W= 0.000000 / 12.0 T= .002 / .9 LAT=-84.0 U= .015 / 6.1 V= .018 / 3.1 W= 0.000000 / 12.0 T= .002 / .9 LAT=-82.0 U= .016 / 6.0 V= .018 / 3.1 W= 0.000000 / 12.0 T= .002 / .8 LAT=-30.0 U= .016 / 6.0 V= .017 / 3.0 W= 0.000000 / 12.0 T= .003 / .8 LAT=-30.0 U= .016 / 6.0 V= .017 / 3.0 W= 0.000000 / 12.0 T= .005 / .8 LAT=-20.0 U= .014 / 5.8 V= .0014 / 2.6 W= 0.000000 / 12.0 T= .005 / .8 LAT=-12.0 U= .014 / 5.8 V= .006 / 2.3 W= 0.000000 / 12.0 T= .007 / .8 LAT=-6.0 U= .013 / 5.8 V= .006 / 2.3 W= 0.000000 / 12.0 T= .007 / .8 LAT=-6.0 U= .013 / 5.8 V= .002 / 1.2 W= 0.000000 / 12.0 T= .007 / .8 LAT=-6.0 U= .013 / 5.8 V= .002 / 1.2 W= 0.000000 / 12.0 T= .007 / .8 LAT=-6.0 U= .013 / 5.8 V= .003 / 9.1 W= 0.000000 / 12.0 T= .007 / .8 LAT=-6.0 U= .012 / 5.8 V= .006 / 8.5 W= .0000000 / 12.0 T= .007 / .8 LAT=-6.0 U= .012 / 5.8 V= .006 / 8.5 W= 0.000000 / 12.0 T= .007 / .8 LAT=-6.0 U= .012 / 5.9 V= .014 / 8.5 W= .000000 / 12.0 T= .007 / .8 LAT=-6.0 U= .012 / 5.9 V= .013 / 9.7 W= .000000 / 12.0 T= .007 / .8 LAT=-30.0 U= .012 / 5.9 V= .013 / 9.7 W= .000000 / 12.0 T= .007 / .8 LAT=-36.0 U= .012 / 6.2 V= .013 / 9.1 W= .000000 / 12.0 T= .007 / .8 LAT=-36.0 U= .012 / 6.2 V= .013 / 9.1 W= .000000 / 12.0 T= .007 / .8 LAT=-36.0 U= .012 / 6.3 V= .013 / 9.1 W= .000000 / 12.0 T= .007 / .8 LAT=-36.0 U= .010 / 6.3 V= .011 / 9.3 W= .000000 / 12.0 T= .007 / .8 LAT=-78.0 U= .001 / 6.3 V= .001 / 9.3 W= .000000 / 12.0 T= .000 / 12.0 T= .001 / .9 LAT=-80.0 U= .001 / 6.3 V= .001 / 9.3 W= .000000 / 12.0 T= .001 / 1.1 LAT=60.0 U= .005 / 6.4 V= .005 / 9.3 W= .000000 / 12.0 T= .001 / 1.1 LAT=-60.0 U= .006 / 6.4 V= .007 / 9.3 W= .000000 / 12.0 T= .001 / 1.1 LAT=-60.0 U= .006 / 6.4 V= .007 / 9.3 W= .000000 / 12.0 T= .000 / 12.0 T= .000 / 12.0 T= .0000 / 12.0 T= .0000 / 12.0 T= .0000 / 12.0 T= .0000 / 12.0 T				-					
LAT=-60.0 U= .010 / 5.9 V= .011 / 2.9 W= 0.00000 / 12.0 T= .000 / 12.0 LAT=-54.0 U= .013 / 6.0 V= .013 / 2.9 W= 0.000000 / 12.0 T= .001 / .9 LAT=-48.0 U= .015 / 6.1 V= .016 / 3.0 W= 0.000000 / 12.0 T= .002 / .9 LAT=-42.0 U= .015 / 6.1 V= .018 / 3.1 W= 0.000000 / 12.0 T= .002 / .9 LAT=-36.0 U= .016 / 6.0 V= .017 / 3.0 W= 0.000000 / 12.0 T= .002 / .8 LAT=-36.0 U= .016 / 6.0 V= .017 / 3.0 W= 0.000000 / 12.0 T= .003 / .8 LAT=-38.0 U= .016 / 6.0 V= .017 / 3.0 W= 0.000000 / 12.0 T= .003 / .8 LAT=-12.0 U= .015 / 5.9 V= .014 / 2.8 W= 0.000000 / 12.0 T= .005 / .8 LAT=-12.0 U= .014 / 5.8 V= .006 / 2.3 W= 0.000000 / 12.0 T= .007 / .8 LAT=-12.0 U= .014 / 5.8 V= .006 / 2.3 W= 0.000000 / 12.0 T= .007 / .8 LAT=-12.0 U= .013 / 5.8 V= .006 / 2.3 W= 0.000000 / 12.0 T= .007 / .8 LAT=-12.0 U= .013 / 5.8 V= .006 / 2.3 W= 0.000000 / 12.0 T= .007 / .8 LAT=-12.0 U= .013 / 5.8 V= .006 / 2.3 W= 0.000000 / 12.0 T= .007 / .8 LAT= 12.0 U= .012 / 5.8 V= .006 / 8.5 W= 0.000000 / 12.0 T= .007 / .8 LAT= 12.0 U= .012 / 5.8 V= .009 / 8.5 W= 0.000000 / 12.0 T= .007 / .8 LAT= 12.0 U= .012 / 5.8 V= .009 / 8.5 W= 0.000000 / 12.0 T= .006 / 8.8 LAT= 30.0 U= .012 / 5.8 V= .011 / 8.5 W= 0.000000 / 12.0 T= .006 / 8.8 LAT= 36.0 U= .012 / 5.8 V= .013 / 9.1 W= 0.000000 / 12.0 T= .006 / 8.8 LAT= 36.0 U= .012 / 6.2 V= .013 / 9.1 W= 0.000000 / 12.0 T= .006 / 8.8 LAT= 36.0 U= .012 / 6.2 V= .013 / 9.1 W= 0.000000 / 12.0 T= .006 / 8.8 LAT= 36.0 U= .012 / 6.2 V= .013 / 9.1 W= 0.000000 / 12.0 T= .006 / .9 LAT= 36.0 U= .010 / 6.3 V= .011 / 9.3 W= 0.000000 / 12.0 T= .001 / 9.0 LAT= 36.0 U= .001 / 6.3 V= .001 / 9.3 W= 0.000000 / 12.0 T= .001 / 9.0 LAT= 36.0 U= .001 / 6.3 V= .001 / 9.3 W= 0.000000 / 12.0 T= .001 / 9.0 LAT= 36.0 U= .001 / 6.3 V= .001 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.0 LAT=-60.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.0 LAT=-60.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.0 LAT=-60.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .000 / 12.0 LAT=-80.0 U= .014 / 6.5 V= .005 / 9.8 W= .000000 / 12.0 T= .000 / 12.0 L									
LAT=-86.0 U= .013 / 6.0 V= .013 / 2.9 W= 0.00000 / 12.0 T= .001 / .9 LAT=-80.0 U= .015 / 6.1 V= .016 / 3.0 W= 0.00000 / 12.0 T= .002 / .9 LAT=-80.0 U= .016 / 6.1 V= .018 / 3.1 W= 0.00000 / 12.0 T= .002 / .8 LAT=-36.0 U= .016 / 6.1 V= .018 / 3.1 W= 0.00000 / 12.0 T= .002 / .8 LAT=-30.0 U= .016 / 6.0 V= .017 / 3.0 W= 0.00000 / 12.0 T= .003 / .8 LAT=-30.0 U= .016 / 6.0 V= .017 / 3.0 W= 0.00000 / 12.0 T= .005 / .8 LAT=-24.0 U= .015 / 5.9 V= .014 / 2.8 W= 0.00000 / 12.0 T= .005 / .8 LAT=-12.0 U= .014 / 5.8 V= .010 / 2.6 W= 0.00000 / 12.0 T= .007 / .8 LAT=-12.0 U= .014 / 5.8 V= .006 / 2.3 W= 0.00000 / 12.0 T= .007 / .8 LAT=-12.0 U= .014 / 5.8 V= .006 / 2.3 W= 0.00000 / 12.0 T= .007 / .8 LAT=-6.0 U= .013 / 5.8 V= .003 / 9.1 W= 0.00000 / 12.0 T= .007 / .8 LAT=-6.0 U= .013 / 5.8 V= .003 / 9.1 W= 0.00000 / 12.0 T= .007 / .8 LAT=-6.0 U= .013 / 5.8 V= .003 / 9.1 W= 0.00000 / 12.0 T= .007 / .8 LAT=-6.0 U= .012 / 5.8 V= .006 / 8.6 W= 0.00000 / 12.0 T= .007 / .8 LAT=-6.0 U= .012 / 5.8 V= .006 / 8.6 W= 0.00000 / 12.0 T= .007 / .8 LAT=-8.0 U= .012 / 5.8 V= .011 / 8.5 W= 0.00000 / 12.0 T= .007 / .8 LAT=-8.0 U= .012 / 5.8 V= .011 / 8.5 W= 0.00000 / 12.0 T= .006 / .8 LAT=-8.0 U= .012 / 5.8 V= .011 / 8.5 W= 0.00000 / 12.0 T= .006 / .8 LAT=-8.0 U= .012 / 6.0 V= .013 / 9.0 W= 0.00000 / 12.0 T= .006 / .8 LAT=-8.0 U= .012 / 6.0 V= .013 / 9.0 W= 0.00000 / 12.0 T= .006 / .8 LAT=-8.0 U= .012 / 6.3 V= .003 / 9.3 W= 0.00000 / 12.0 T= .004 / .9 LAT=-8.0 U= .012 / 6.3 V= .003 / 9.3 W= 0.00000 / 12.0 T= .004 / .9 LAT=-8.0 U= .010 / 6.3 V= .005 / 8.3 W= 0.00000 / 12.0 T= .004 / .9 LAT=-8.0 U= .010 / 6.3 V= .005 / 8.3 W= 0.00000 / 12.0 T= .004 / .9 LAT=-8.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.00000 / 12.0 T= .004 / .9 LAT=-8.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.00000 / 12.0 T= .004 / .9 LAT=-8.0 U= .006 / 6.4 V= .005 / 9.3 W= 0.00000 / 12.0 T= .000 / 12.0 LAT=-78.0 U= .006 / 6.4 V= .007 / 9.3 W= 0.00000 / 12.0 T= .000 / 12.0 LAT=-8.0 U= .006 / 6.4 V= .007 / 9.3 W= 0.00000 / 12.0 T= .000 / 12.0 T= .000 / 12.0 LAT=-8.0 U= .006 / 6.4 V= .007 / 9.3 W= 0.									
LAT=-48.0 U= .015 / 6.1 V= .016 / 3.0 W= 0.00000 / 12.0 T= .002 / .9 LAT=-36.0 U= .016 / 6.1 V= .018 / 3.1 W= 0.000000 / 12.0 T= .002 / .8 LAT=-36.0 U= .016 / 6.0 V= .017 / 3.0 W= 0.00000 / 12.0 T= .003 / .8 LAT=-30.0 U= .016 / 6.0 V= .017 / 3.0 W= 0.00000 / 12.0 T= .003 / .8 LAT=-30.0 U= .016 / 6.0 V= .017 / 3.0 W= 0.00000 / 12.0 T= .005 / .8 LAT=-12.0 U= .014 / 5.8 V= .010 / 2.6 W= 0.00000 / 12.0 T= .006 / .8 LAT=-18.0 U= .014 / 5.8 V= .006 / 2.3 W= 0.00000 / 12.0 T= .007 / .8 LAT=-12.0 U= .014 / 5.8 V= .006 / 2.3 W= 0.00000 / 12.0 T= .007 / .8 LAT=-12.0 U= .014 / 5.8 V= .006 / 2.3 W= 0.00000 / 12.0 T= .007 / .8 LAT=-12.0 U= .013 / 5.8 V= .006 / 2.3 W= 0.00000 / 12.0 T= .007 / .8 LAT= 0.0 U= .013 / 5.8 V= .006 / 2.3 W= 0.00000 / 12.0 T= .007 / .8 LAT= 12.0 U= .012 / 5.8 V= .006 / 8.5 W= .000000 / 12.0 T= .007 / .8 LAT= 12.0 U= .012 / 5.8 V= .006 / 8.5 W= 0.00000 / 12.0 T= .007 / .8 LAT= 12.0 U= .012 / 5.8 V= .009 / 8.5 W= 0.00000 / 12.0 T= .006 / .8 LAT= 12.0 U= .012 / 5.8 V= .011 / 8.5 W= .000000 / 12.0 T= .006 / .8 LAT= 36.0 U= .012 / 5.9 V= .012 / 8.7 W= 0.00000 / 12.0 T= .006 / .8 LAT= 36.0 U= .012 / 6.2 V= .013 / 9.1 W= 0.000000 / 12.0 T= .006 / .8 LAT= 36.0 U= .012 / 6.3 V= .013 / 9.1 W= 0.000000 / 12.0 T= .005 / .8 LAT= 36.0 U= .012 / 6.3 V= .013 / 9.1 W= 0.000000 / 12.0 T= .006 / .9 LAT= 48.0 U= .010 / 6.3 V= .013 / 9.1 W= 0.000000 / 12.0 T= .001 / .9 LAT= 48.0 U= .010 / 6.3 V= .011 / 9.3 W= 0.000000 / 12.0 T= .001 / .9 LAT= 36.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .001 / .0 LAT=-72.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .001 / .1 LAT=-80.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .001 / .1 LAT=-80.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .001 / .1 LAT=-80.0 U= .005 / 6.4 V= .005 / 9.3 W= .000000 / 12.0 T= .001 / .1 LAT=-80.0 U= .004 / 6.5 V= .005 / 9.3 W= .000000 / 12.0 T= .001 / .1 LAT=-80.0 U= .004 / 6.5 V= .005 / 9.8 W= .000000 / 12.0 T= .000 / 12.0 LAT=-80.0 U= .004 / 6.5 V= .005 / 9.8 W= .000000 / 12.0 T= .0000 / 12.0 LAT=-80.0 U= .004 / 6.4 V= .006									
LAT=-30.0 U= .015 / 6.1 V= .018 / 3.1 W= 0.000000 / 12.0 T= .003 / .8 LAT=-30.0 U= .016 / 6.1 V= .018 / 3.0 W= 0.000000 / 12.0 T= .003 / .8 LAT=-22.0 U= .015 / 5.9 V= .014 / 2.8 W= 0.000000 / 12.0 T= .005 / .8 LAT=-22.0 U= .015 / 5.9 V= .014 / 2.8 W= 0.000000 / 12.0 T= .006 / .8 LAT=-18.0 U= .014 / 5.8 V= .010 / 2.6 W= 0.000000 / 12.0 T= .007 / .8 LAT=-18.0 U= .014 / 5.8 V= .006 / 2.3 W= 0.000000 / 12.0 T= .007 / .8 LAT=-6.0 U= .013 / 5.8 V= .006 / 2.3 W= 0.000000 / 12.0 T= .007 / .8 LAT=-6.0 U= .013 / 5.8 V= .002 / 1.2 W= 0.000000 / 12.0 T= .007 / .8 LAT= 6.0 U= .013 / 5.8 V= .002 / 1.2 W= 0.000000 / 12.0 T= .007 / .8 LAT= 6.0 U= .012 / 5.8 V= .006 / 8.6 W= 0.000000 / 12.0 T= .007 / .8 LAT= 18.0 U= .012 / 5.8 V= .006 / 8.6 W= 0.000000 / 12.0 T= .007 / .8 LAT= 18.0 U= .012 / 5.8 V= .006 / 8.6 W= 0.000000 / 12.0 T= .006 / .8 LAT= 18.0 U= .012 / 5.8 V= .011 / 8.5 W= 0.000000 / 12.0 T= .006 / .8 LAT= 30.0 U= .012 / 5.8 V= .011 / 8.5 W= 0.000000 / 12.0 T= .006 / .8 LAT= 30.0 U= .012 / 5.0 V= .013 / 9.0 W= 0.000000 / 12.0 T= .006 / .8 LAT= 42.0 U= .011 / 6.2 V= .013 / 9.0 W= 0.000000 / 12.0 T= .006 / .8 LAT= 42.0 U= .011 / 6.2 V= .013 / 9.1 W= 0.000000 / 12.0 T= .004 / .9 LAT= 42.0 U= .011 / 6.3 V= .011 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.0 LAT= 54.0 U= .001 / 6.3 V= .011 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.0 LAT= 66.0 U= .007 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.0 LAT= 66.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .000 / 12.0 LAT= 78.0 U= .005 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT= 54.0 U= .011 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .000 / 12.0 LAT= 66.0 U= .014 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .000 / 12.0 LAT= 54.0 U= .016 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .000 / 12.0 LAT= 60.0 U= .016 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .000 / 12.0 LAT= 60.0 U= .016 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .000 / 12.0 LAT= 60.0 U= .016 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .000 / 12.0 LAT= 60.0 U= .016 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .000 / 12.0 LAT=									
LAT=-36.0 U= .016 / 6.1 V= .018 / 3.0 W= 0.000000 /12.0 T= .003 / .8 LAT=-24.0 U= .016 / 6.0 V= .017 / 3.0 W= 0.000000 /12.0 T= .005 / .8 LAT=-12.0 U= .014 / 5.8 V= .014 / 2.8 W= 0.000000 /12.0 T= .006 / .8 LAT=-12.0 U= .014 / 5.8 V= .006 / 2.3 W= 0.000000 /12.0 T= .007 / .8 LAT=-12.0 U= .014 / 5.8 V= .006 / 2.3 W= 0.000000 /12.0 T= .007 / .8 LAT=-12.0 U= .013 / 5.8 V= .006 / 2.3 W= 0.000000 /12.0 T= .007 / .8 LAT=-12.0 U= .013 / 5.8 V= .006 / 2.3 W= 0.000000 /12.0 T= .007 / .8 LAT= .0.0 U= .013 / 5.8 V= .006 / 8.6 W= 0.000000 /12.0 T= .007 / .8 LAT= .0.0 U= .012 / 5.8 V= .006 / 8.6 W= 0.000000 /12.0 T= .007 / .8 LAT= 12.0 U= .012 / 5.8 V= .006 / 8.6 W= 0.000000 /12.0 T= .006 / .8 LAT= 12.0 U= .012 / 5.8 V= .006 / 8.5 W= 0.000000 /12.0 T= .006 / .8 LAT= 12.0 U= .012 / 5.8 V= .009 / 8.5 W= 0.000000 /12.0 T= .006 / .8 LAT= 24.0 U= .012 / 5.8 V= .009 / 8.5 W= 0.000000 /12.0 T= .006 / .8 LAT= 38.0 U= .012 / 5.8 V= .011 / 8.5 W= 0.000000 /12.0 T= .006 / .8 LAT= 38.0 U= .012 / 5.0 V= .013 / 9.1 W= 0.000000 /12.0 T= .006 / .8 LAT= 48.0 U= .012 / 6.2 V= .013 / 9.1 W= 0.000000 /12.0 T= .005 / .8 LAT= 48.0 U= .011 / 6.2 V= .013 / 9.1 W= 0.000000 /12.0 T= .000 / 12.0 LAT= 68.0 U= .001 / 6.3 V= .009 / 9.3 W= 0.000000 /12.0 T= .001 / 1.0 LAT= 68.0 U= .005 / 6.4 V= .007 / 9.3 W= 0.000000 /12.0 T= .001 / 1.0 LAT= 68.0 U= .005 / 6.4 V= .007 / 9.3 W= 0.000000 /12.0 T= .000 / 12.0 LAT=-80.0 U= .005 / 6.4 V= .007 / 3.3 W= 0.000000 /12.0 T= .000 / 12.0 LAT=-80.0 U= .006 / 6.4 V= .007 / 3.3 W= 0.000000 /12.0 T= .000 / 12.0 LAT=-80.0 U= .006 / 6.4 V= .007 / 3.3 W= 0.000000 /12.0 T= .000 / 12.0 LAT=-80.0 U= .008 / 6.4 V= .007 / 3.3 W= 0.000000 / 12.0 T= .000 / 12.0 LAT=-80.0 U= .008 / 6.4 V= .007 / 3.3 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT=-80.0 U= .008 / 6.4 V= .007 / 3.3 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT=-80.0 U= .008 / 6.4 V= .007 / 3.3 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT=-80.0 U= .008 / 6.4 V= .007 / 3.3 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT=-80.0 U= .008 / 6.4 V= .007 / 3.3 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT=-80.0		-							
LAT=-20.0 U		-		•					
LAT=-24.0 U= .015 / 5.9 V= .014 / 2.8 W= .0.0c00000 / 12.0 T= .006 / .8 LAT=-18.0 U= .014 / 5.8 V= .016 / 2.6 W= .0000000 / 12.0 T= .007 / .8 LAT=-18.0 U= .014 / 5.8 V= .006 / 2.3 W= .0.000000 / 12.0 T= .007 / .8 LAT=-6.0 U= .013 / 5.8 V= .002 / 1.2 W= .0.000000 / 12.0 T= .007 / .8 LAT=-6.0 U= .013 / 5.8 V= .002 / 1.2 W= .0.000000 / 12.0 T= .007 / .8 LAT= .0.0 U= .013 / 5.8 V= .002 / 1.2 W= .0.000000 / 12.0 T= .007 / .8 LAT= .0.0 U= .012 / 5.8 V= .003 / 9.1 W= .0.000000 / 12.0 T= .007 / .8 LAT= 12.0 U= .012 / 5.8 V= .006 / 8.6 W= .0.000000 / 12.0 T= .007 / .8 LAT= 18.0 U= .012 / 5.8 V= .009 / 8.5 W= .0.000000 / 12.0 T= .006 / .8 LAT= 18.0 U= .012 / 5.8 V= .001 / 8.5 W= .0.000000 / 12.0 T= .006 / .8 LAT= 30.0 U= .012 / 5.8 V= .011 / 8.5 W= .0.000000 / 12.0 T= .006 / .8 LAT= 30.0 U= .012 / 5.9 V= .012 / 8.7 W= .0.000000 / 12.0 T= .006 / .8 LAT= 30.0 U= .012 / 6.0 V= .013 / 9.0 W= .0.000000 / 12.0 T= .004 / .9 LAT= 36.0 U= .012 / 6.2 V= .013 / 9.1 W= .0.000000 / 12.0 T= .004 / .9 LAT= 48.0 U= .011 / 6.2 V= .013 / 9.1 W= .0.000000 / 12.0 T= .004 / .9 LAT= 60.0 U= .010 / 6.3 V= .011 / 9.3 W= .0.000000 / 12.0 T= .001 / 1.0 LAT= 60.0 U= .007 / 6.4 V= .007 / 9.3 W= .0.000000 / 12.0 T= .001 / 1.0 LAT= 60.0 U= .007 / 6.4 V= .005 / 9.3 W= .0.000000 / 12.0 T= .001 / 1.0 LAT= 78.0 U= .005 / 6.4 V= .005 / 9.3 W= .0.000000 / 12.0 T= .0000 / 12.0 LAT= 78.0 U= .005 / 6.4 V= .007 / 3.3 W= .0.000000 / 12.0 T= .0000 / 12.0 LAT=-54.0 U= .014 / 6.4 V= .007 / 3.3 W= .0.000000 / 12.0 T= .0000 / 12.0 LAT=-54.0 U= .016 / 6.4 V= .007 / 3.4 W= .000000 / 12.0 T= .0010 / .3 LAT=-80.0 U= .016 / 6.4 V= .007 / 3.3 W= .0.000000 / 12.0 T= .0000 / 12.0 LAT=-54.0 U= .016 / 6.4 V= .007 / 3.3 W= .0.00000 / 12.0 T= .0010 / .1 LAT=-30.0 U= .016 / 6.4 V= .007 / 3.4 W= .000000 / 12.0 T= .0010 / .1 LAT=-30.0 U= .016 / 6.4 V= .007 / 3.4 W= .000000 / 12.0 T= .0010 / .1 LAT=-20.0 U= .016 / 6.4 V= .007 / 3.4 W= .000000 / 12.0 T= .0010 / .1 LAT=-60.0 U= .016 / 6.4 V= .007 / 3.4 W= .000000 / 12.0 T= .0010 / .1 LAT=-80.0 U= .016 / 6.4 V= .007 / 3.4 W= .000000 /				-					
LAT=-18.0 U= .014 / 5.8 V= .010 / 2.6 W= .0000000 / 12.0 T= .007 / .8 LAT=-10.0 U= .014 / 5.8 V= .006 / 2.3 W= .0000000 / 12.0 T= .007 / .8 LAT=-6.0 U= .013 / 5.8 V= .002 / 1.2 W= 0.000000 / 12.0 T= .007 / .8 LAT= 6.0 U= .013 / 5.8 V= .002 / 1.2 W= 0.000000 / 12.0 T= .007 / .8 LAT= 6.0 U= .012 / 5.8 V= .003 / 9.1 W= .0000000 / 12.0 T= .007 / .8 LAT= 18.0 U= .012 / 5.8 V= .006 / 8.6 W= 0.000000 / 12.0 T= .007 / .8 LAT= 18.0 U= .012 / 5.8 V= .009 / 8.5 W= .0000000 / 12.0 T= .006 / .8 LAT= 18.0 U= .012 / 5.8 V= .011 / 8.5 W= .0000000 / 12.0 T= .006 / .8 LAT= 30.0 U= .012 / 5.9 V= .012 / 8.7 W= .0000000 / 12.0 T= .006 / .8 LAT= 30.0 U= .012 / 5.9 V= .013 / 9.0 W= .0000000 / 12.0 T= .004 / .9 LAT= 42.0 U= .011 / 6.2 V= .013 / 9.0 W= .0000000 / 12.0 T= .004 / .9 LAT= 48.0 U= .011 / 6.2 V= .013 / 9.1 W= .0000000 / 12.0 T= .004 / .9 LAT= 66.0 U= .001 / 6.3 V= .009 / 9.3 W= .0000000 / 12.0 T= .001 / .9 LAT= 66.0 U= .007 / 6.4 V= .007 / 9.3 W= .0000000 / 12.0 T= .001 / 1.0 LAT= 66.0 U= .005 / 6.4 V= .007 / 9.3 W= .0000000 / 12.0 T= .001 / 1.1 LAT=-78.0 U= .005 / 6.4 V= .005 / 9.3 W= .0000000 / 12.0 T= .001 / 12.0 LAT=-78.0 U= .008 / 6.4 V= .005 / 9.3 W= .0000000 / 12.0 T= .0000 / 12.0 LAT=-78.0 U= .008 / 6.4 V= .005 / 9.3 W= .0000000 / 12.0 T= .0000 / 12.0 LAT=-78.0 U= .008 / 6.4 V= .005 / 3.2 W= .0000000 / 12.0 T= .0000 / 12.0 LAT=-78.0 U= .008 / 6.4 V= .005 / 3.3 W= .0000000 / 12.0 T= .0000 / 12.0 LAT=-78.0 U= .008 / 6.4 V= .005 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT=-78.0 U= .008 / 6.4 V= .005 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT=-78.0 U= .008 / 6.4 V= .005 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT=-78.0 U= .008 / 6.4 V= .005 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT=-78.0 U= .008 / 6.4 V= .005 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT=-78.0 U= .008 / 6.4 V= .005 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT=-78.0 U= .008 / 6.4 V= .006 / 6.4 V= .006 / 9.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT=-78.0 U= .006 / 6.4 V= .006 / 9.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT=-78.0 U= .0									
LAT=-60.0 U= .014 / 5.8 V= .006 / 2.3 W= 0.000000 / 12.0 T= .007 / .8 LAT= -6.0 U= .013 / 5.8 V= .002 / 1.2 W= .0000000 / 12.0 T= .007 / .8 LAT= 60.0 U= .013 / 5.8 V= .003 / 9.1 W= .0000000 / 12.0 T= .007 / .8 LAT= 12.0 U= .012 / 5.8 V= .003 / 9.1 W= 0.0000000 / 12.0 T= .007 / .8 LAT= 18.0 U= .012 / 5.8 V= .006 / 8.6 W= 0.000000 / 12.0 T= .006 / .8 LAT= 18.0 U= .012 / 5.8 V= .009 / 8.5 W= 0.000000 / 12.0 T= .006 / .8 LAT= 18.0 U= .012 / 5.9 V= .011 / 8.5 W= 0.000000 / 12.0 T= .006 / .8 LAT= 30.0 U= .012 / 5.9 V= .013 / 9.1 W= 0.000000 / 12.0 T= .006 / .8 LAT= 30.0 U= .012 / 6.2 V= .013 / 9.1 W= 0.000000 / 12.0 T= .006 / .8 LAT= 42.0 U= .012 / 6.2 V= .013 / 9.1 W= 0.000000 / 12.0 T= .004 / .9 LAT= 42.0 U= .011 / 6.2 V= .013 / 9.1 W= 0.000000 / 12.0 T= .002 / .9 LAT= 42.0 U= .011 / 6.2 V= .013 / 9.2 W= 0.000000 / 12.0 T= .001 / .9 LAT= 42.0 U= .010 / 6.3 V= .011 / 9.3 W= 0.000000 / 12.0 T= .001 / .9 LAT= 54.0 U= .010 / 6.3 V= .001 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.0 LAT= 66.0 U= .007 / 6.4 V= .007 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.0 LAT= 78.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT= 78.0 U= .005 / 6.4 V= .004 / 9.4 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT=-78.0 U= .008 / 6.4 V= .004 / 9.4 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT=-60.0 U= .006 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT=-78.0 U= .008 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT=-60.0 U= .016 / 6.4 V= .0014 / 3.4 W= .000000 / 3.7 T= .0010 / .3 LAT=-36.0 U= .016 / 6.4 V= .014 / 3.4 W= .000000 / 3.7 T= .0011 / .3 LAT=-36.0 U= .016 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT=-78.0 U= .016 / 6.4 V= .0014 / 3.4 W= .000000 / 12.0 T= .0000 / 12.0 LAT=-80.0 U= .016 / 6.4 V= .000000 / 3.4 W= .000000 / 3.5 T= .0011 / .3 LAT=-36.0 U= .016 / 6.4 V= .00000000 / 3.4 W= .000000 / 3.5 T= .0011 / .3 LAT=-36.0 U= .016 / 6.4 V= .00000000000000000000000000000000000									
LATE - 6.0 U = .013 / 5.8 V = .002 / 1.2 W = 0.000000 / 12.0 T = .007 / .8 LATE - 6.0 U = .012 / 5.8 V = .006 / 8.6 W = 0.000000 / 12.0 T = .007 / .8 LATE - 12.0 U = .012 / 5.8 V = .006 / 8.6 W = 0.000000 / 12.0 T = .007 / .8 LATE - 12.0 U = .012 / 5.8 V = .006 / 8.6 W = 0.000000 / 12.0 T = .006 / .8 LATE - 12.0 U = .012 / 5.8 V = .011 / 8.5 W = 0.000000 / 12.0 T = .006 / .8 LATE - 12.0 U = .012 / 5.9 V = .011 / 8.5 W = 0.000000 / 12.0 T = .006 / .8 LATE - 24.0 U = .012 / 5.9 V = .011 / 8.7 W = 0.000000 / 12.0 T = .006 / .8 LATE - 30.0 U = .012 / 6.0 V = .013 / 9.1 W = 0.000000 / 12.0 T = .004 / .9 LATE - 30.0 U = .012 / 6.2 V = .013 / 9.1 W = 0.000000 / 12.0 T = .004 / .9 LATE - 42.0 U = .011 / 6.2 V = .013 / 9.1 W = 0.000000 / 12.0 T = .001 / .9 LATE - 42.0 U = .010 / 6.3 V = .011 / 9.3 W = .000000 / 12.0 T = .001 / .9 LATE - 48.0 U = .010 / 6.3 V = .001 / 9.3 W = .000000 / 12.0 T = .001 / .0 LATE - 66.0 U = .005 / 6.4 V = .007 / 9.3 W = .000000 / 12.0 T = .001 / 1.1 LATE - 78.0 U = .005 / 6.4 V = .005 / 9.3 W = .0000000 / 12.0 T = .0000 / 12.0 LATE - 78.0 U = .006 / 6.4 V = .004 / 9.4 W = .0000000 / 12.0 T = .0000 / 12.0 LATE - 78.0 U = .008 / 6.4 V = .004 / 9.4 W = .0000000 / 12.0 T = .0000 / 12.0 LATE - 78.0 U = .008 / 6.4 V = .007 / 3.3 W = .000000 / 12.0 T = .0000 / 12.0 LATE - 78.0 U = .008 / 6.4 V = .001 / 3.4 W = .000000 / 3.4 T = .0000 / 12.0 LATE - 78.0 U = .006 / 6.4 V = .007 / 3.3 W = .000000 / 3.0 T = .001 / .1 LATE - 42.0 U = .016 / 6.4 V = .011 / 3.4 W = .000000 / 3.0 T = .001 / .1 LATE - 42.0 U = .016 / 6.4 V = .014 / 3.4 W = .000000 / 3.0 T = .001 / .1 LATE - 42.0 U = .016 / 6.4 V = .014 / 3.4 W = .000000 / 3.0 T = .001 / .1 LATE - 42.0 U = .016 / 6.4 V = .0000 / 3.0 T = .001 / .1 LATE - 43.0 U = .016 / 6.4 V = .006 / 6.4 V = .006 / 3.0 W = .000000 / 3.0 T = .001 / .1 LATE - 43.0 U = .016 / 6.4 V = .006 / 6.4 V = .006 / 6.4 V = .006 / 3.0 W = .000000 / 3.0 T = .001 / .1 LATE - 30				-					
LAT= 0.0 U= .013 / 5.8 V= .003 / 9.1 W= .000000 / 12.0 T= .007 / .8 LAT= 66.0 U= .012 / 5.8 V= .006 / 8.6 W= .0000000 / 12.0 T= .007 / .8 LAT= 12.0 U= .012 / 5.8 V= .006 / 8.5 W= 0.000000 / 12.0 T= .006 / .8 LAT= 18.0 U= .012 / 5.8 V= .001 / 8.5 W= 0.000000 / 12.0 T= .006 / .8 LAT= 18.0 U= .012 / 5.8 V= .011 / 8.5 W= 0.000000 / 12.0 T= .006 / .8 LAT= 18.0 U= .012 / 5.9 V= .012 / 8.7 W= 0.000000 / 12.0 T= .006 / .8 LAT= 30.0 U= .012 / 6.0 V= .013 / 9.0 W= 0.000000 / 12.0 T= .006 / .8 LAT= 30.0 U= .012 / 6.2 V= .013 / 9.0 W= 0.000000 / 12.0 T= .004 / .9 LAT= 43.0 U= .011 / 6.2 V= .013 / 9.1 W= 0.000000 / 12.0 T= .004 / .9 LAT= 42.0 U= .011 / 6.2 V= .013 / 9.2 W= 0.000000 / 12.0 T= .001 / 1.0 LAT= 54.0 U= .010 / 6.3 V= .009 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.0 LAT= 54.0 U= .007 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.1 LAT= 66.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT= 78.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= 0.000 / 12.0 LAT= 78.0 U= .004 / 6.5 V= .002 / 9.8 W= 0.000000 / 12.0 T= 0.000 / 12.0 LAT= 78.0 U= .004 / 6.5 V= .002 / 9.8 W= 0.000000 / 12.0 T= 0.000 / 12.0 LAT=-66.0 U= .014 / 6.4 V= .014 / 3.4 W= .000001 / .9 T= 0.000 / 12.0 LAT=-66.0 U= .014 / 6.4 V= .014 / 3.4 W= .000001 / .9 T= 0.000 / 12.0 LAT=-36.0 U= .016 / 6.4 V= .017 / 3.4 W= .000002 / 3.5 T= .001 / .1 LAT=-36.0 U= .018 / 6.4 V= .017 / 3.4 W= .000002 / 3.5 T= .001 / .1 LAT=-36.0 U= .018 / 6.4 V= .021 / 3.2 W= .000002 / 1.4 T= .003 / .1 LAT=-36.0 U= .018 / 6.4 V= .021 / 3.2 W= .000002 / 1.4 T= .003 / .1 LAT=-36.0 U= .018 / 6.4 V= .021 / 3.2 W= .000002 / 1.4 T= .003 / .1 LAT=-36.0 U= .018 / 6.2 V= .007 / 3.2 W= .000000 / 1.4 T= .003 / .1 LAT=-36.0 U= .018 / 6.4 V= .016 / 3.0 W= .000000 / 1.4 T= .003 / .1 LAT=-36.0 U= .018 / 6.2 V= .019 / 6.3 V= .000 / 3.2 W= .000000 / 1.4 T= .000 / 1.2 ULAT=-36.0 U= .018 / 6.2 V= .019 / 6.4 V= .000 / 3.2 W= .000000 / 1.4 T= .000 / 1.2 ULAT=-30.0 U= .018 / 6.1 V= .000 / 3.2 W= .000000 / 1.4 T= .000 / 1.1 ULAT=-30.0 U= .018 / 6.1 V= .000 / 3.2 W= .000000 / 1.4 T= .									
LAT= 6.0 U= .012 / 5.8 V= .006 / 8.6 W= 0.000000 / 12.0 T= .007 / .8 LAT= 12.0 U= .012 / 5.8 V= .009 / 8.5 W= 0.000000 / 12.0 T= .006 / .8 LAT= 18.0 U= .012 / 5.8 V= .011 / 8.5 W= 0.000000 / 12.0 T= .006 / .8 LAT= 30.0 U= .012 / 5.9 V= .011 / 8.5 W= 0.000000 / 12.0 T= .006 / .8 LAT= 30.0 U= .012 / 6.0 V= .013 / 9.0 W= 0.000000 / 12.0 T= .006 / .8 LAT= 30.0 U= .012 / 6.0 V= .013 / 9.0 W= 0.000000 / 12.0 T= .004 / .9 LAT= 30.0 U= .012 / 6.2 V= .013 / 9.1 W= 0.000000 / 12.0 T= .004 / .9 LAT= 42.0 U= .011 / 6.2 V= .013 / 9.1 W= 0.000000 / 12.0 T= .001 / .9 LAT= 48.0 U= .010 / 6.3 V= .011 / 9.3 W= 0.000000 / 12.0 T= .001 / .9 LAT= 54.0 U= .010 / 6.3 V= .011 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.1 LAT= 60.0 U= .007 / 6.4 V= .007 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.1 LAT= 72.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT= 72.0 U= .005 / 6.4 V= .004 / 9.4 W= 0.000000 / 12.0 T= 0.000 / 12.0 LAT= 72.0 U= .008 / 6.4 V= .004 / 9.4 W= 0.000000 / 12.0 T= 0.000 / 12.0 LAT= 72.0 U= .008 / 6.4 V= .004 / 9.4 W= 0.000000 / 12.0 T= 0.000 / 12.0 LAT=-66.0 U= .011 / 6.4 V= .001 / 3.3 W= .000000 / 12.0 T= 0.000 / 12.0 LAT=-66.0 U= .011 / 6.4 V= .011 / 3.4 W= .000001 / .9 T= 0.000 / 12.0 LAT=-54.0 U= .008 / 6.4 V= .011 / 3.4 W= .000001 / 3.4 T= .001 / 1.3 LAT=-60.0 U= .016 / 6.4 V= .017 / 3.4 W= .000001 / 3.7 T= .001 / 1.3 LAT=-60.0 U= .016 / 6.4 V= .017 / 3.4 W= .000002 / 3.7 T= .001 / 1.4 LAT=-48.0 U= .018 / 6.4 V= .020 / 3.4 W= .000002 / 3.7 T= .001 / 1.4 LAT=-42.0 U= .018 / 6.4 V= .020 / 3.4 W= .000002 / 3.7 T= .001 / 1.4 LAT=-30.0 U= .018 / 6.4 V= .021 / 3.3 W= .000000 / 11.4 T= .003 / 1.1 LAT=-30.0 U= .018 / 6.4 V= .021 / 3.3 W= .000000 / 11.4 T= .008 / 12.0 LAT=-60.0 U= .018 / 6.4 V= .021 / 3.3 W= .000000 / 11.4 T= .008 / 12.0 LAT=-60.0 U= .014 / 6.1 V= .016 / 6.3 V= .017 / 6.1 V= .016 / 6.3 V= .000000 / 11.4 T= .000 / 12.0 LAT=-12.0 U= .016 / 6.4 V= .017 / 6.1 V= .016 / 3.0 W= .000000 / 11.4 T= .000 / 12.0 LAT=-12.0 U= .018 / 6.4 V= .019 / 6.3 V= .000000 / 11.0 T= .000 / 12.0 LAT=-12.0 U= .016 / 6.1 V= .0									
LAT= 18.0 U= .012 / 5.8 V= .009 / 8.5 W= 0.00000 / 12.0 T= .006 / .8 LAT= 18.0 U= .012 / 5.8 V= .011 / 8.5 W= 0.000000 / 12.0 T= .006 / .8 LAT= 24.0 U= .012 / 5.9 V= .012 / 8.7 W= 0.000000 / 12.0 T= .005 / .8 LAT= 30.0 U= .012 / 6.0 V= .013 / 9.0 W= 0.000000 / 12.0 T= .004 / .9 LAT= 36.0 U= .012 / 6.2 V= .013 / 9.1 W= 0.000000 / 12.0 T= .004 / .9 LAT= 42.0 U= .011 / 6.2 V= .013 / 9.1 W= 0.000000 / 12.0 T= .001 / .9 LAT= 48.0 U= .010 / 6.3 V= .0013 / 9.2 W= 0.000000 / 12.0 T= .001 / .9 LAT= 54.0 U= .010 / 6.3 V= .009 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.0 LAT= 66.0 U= .005 / 6.4 V= .007 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.0 LAT= 72.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .000 / 12.0 LAT= 78.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .000 / 12.0 LAT= 78.0 U= .008 / 6.4 V= .005 / 9.8 W= 0.000000 / 12.0 T= .0000 / 12.0 Z= 2.078 KM LAT=-78.0 U= .006 / 6.4 V= .005 / 3.2 W= .0000000 / 12.0 T= .0000 / 12.0 LAT=-66.0 U= .006 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT=-66.0 U= .014 / 6.4 V= .011 / 3.4 W= .000001 / 3.4 T= .0000 / 12.0 LAT=-66.0 U= .018 / 6.4 V= .014 / 3.4 W= .000002 / 3.7 T= .001 / .3 LAT=-30.0 U= .018 / 6.4 V= .017 / 3.4 W= .000002 / 3.7 T= .001 / .3 LAT=-30.0 U= .018 / 6.4 V= .021 / 3.3 W= .000000 / 12.0 T= .001 / .1 LAT=-30.0 U= .018 / 6.4 V= .021 / 3.3 W= .000000 / 1.4 T= .001 / .1 LAT=-30.0 U= .018 / 6.4 V= .021 / 3.4 W= .000002 / 3.7 T= .001 / .1 LAT=-30.0 U= .018 / 6.4 V= .021 / 3.2 W= .000000 / 10.0 T= .0001 / .1 LAT=-60.0 U= .014 / 6.1 V= .016 / 3.0 W= .000000 / 10.0 T= .0001 / .1 LAT=-18.0 U= .018 / 6.4 V= .021 / 3.2 W= .000000 / 10.0 T= .0001 / .1 LAT=-30.0 U= .018 / 6.4 V= .017 / 8.8 W= .000000 / 10.0 T= .0001 / .1 LAT=-20.0 U= .018 / 6.4 V= .0000000 / 0.00000 / 0.00000 / 0.0		_		•					
LATE = 42.0 U= .012 / 5.8 V= .011 / 8.5 W= 0.00000 / 12.0 T= .006 / .8 LAT= 30.0 U= .012 / 6.0 V= .013 / 9.0 W= 0.00000 / 12.0 T= .005 / .8 LAT= 30.0 U= .012 / 6.2 V= .013 / 9.0 W= 0.000000 / 12.0 T= .004 / .9 LAT= 48.0 U= .011 / 6.2 V= .013 / 9.1 W= 0.000000 / 12.0 T= .001 / .9 LAT= 48.0 U= .010 / 6.3 V= .011 / 9.3 W= 0.000000 / 12.0 T= .001 / .9 LAT= 48.0 U= .010 / 6.3 V= .011 / 9.3 W= 0.000000 / 12.0 T= .001 / .9 LAT= 66.0 U= .007 / 6.4 V= .007 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.0 LAT= 66.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.0 LAT= 72.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .000 / 12.0 LAT= 78.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT= 78.0 U= .006 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT= 78.0 U= .008 / 6.4 V= .004 / 9.4 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT= -78.0 U= .008 / 6.4 V= .007 / 3.3 W= .0000000 / 12.0 T= .0000 / 12.0 LAT= -66.0 U= .011 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT= -80.0 U= .008 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT= -80.0 U= .008 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT= -80.0 U= .008 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT= -80.0 U= .008 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT= -80.0 U= .008 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT= -80.0 U= .008 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT= -80.0 U= .008 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT= -80.0 U= .008 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT= -80.0 U= .008 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT= -80.0 U= .008 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .000 / 12.0 LAT= -80.0 U= .008 / 6.4 V= .0000 / 3.0 U= .00000 / 3.0 T= .000 / 12.0 LAT= -80.0 U= .008 / 6.4 V= .0000 / 3.0 U= .00000 / 3.0 T= .000 / 12.0 LAT= -80.0 U= .008 / 6.4 V= .0000 / 3.0 U= .00000 / 3.0 U= .0000 / 3.0 U=				-				-	
LAT = 24.0 U = .012 / 5.9 V = .012 / 8.7 W = .000000 / 12.0 T = .005 / .8 LAT = 36.0 U = .012 / 6.0 V = .013 / 9.0 W = 0.000000 / 12.0 T = .004 / .9 LAT = 36.0 U = .011 / 6.2 V = .013 / 9.1 W = 0.000000 / 12.0 T = .004 / .9 LAT = 42.0 U = .011 / 6.2 V = .013 / 9.1 W = 0.000000 / 12.0 T = .001 / .9 LAT = 48.0 U = .010 / 6.3 V = .011 / 9.3 W = 0.000000 / 12.0 T = .001 / 1.0 LAT = 54.0 U = .010 / 6.3 V = .001 / 9.3 W = 0.000000 / 12.0 T = .001 / 1.0 LAT = 54.0 U = .007 / 6.4 V = .007 / 9.3 W = 0.000000 / 12.0 T = .001 / 1.1 LAT = 66.0 U = .005 / 6.4 V = .007 / 9.3 W = 0.000000 / 12.0 T = .000 / 12.0 LAT = 72.0 U = .005 / 6.4 V = .007 / 9.3 W = 0.000000 / 12.0 T = .0000 / 12.0 LAT = 78.0 U = .005 / 6.4 V = .005 / 9.3 W = 0.000000 / 12.0 T = .0000 / 12.0 LAT = 78.0 U = .004 / 6.5 V = .002 / 9.8 W = 0.000000 / 12.0 T = .0000 / 12.0 LAT = 78.0 U = .004 / 6.5 V = .002 / 9.8 W = 0.000000 / 12.0 T = .0000 / 12.0 LAT = 78.0 U = .008 / 6.4 V = .007 / 3.3 W = .000000 / 12.0 T = .0000 / 12.0 LAT = 66.0 U = .014 / 6.4 V = .011 / 3.4 W = .000000 / 3.4 T = .0000 / 12.0 LAT = -66.0 U = .014 / 6.4 V = .011 / 3.4 W = .000000 / 3.7 T = .001 / .3 LAT = -54.0 U = .016 / 6.4 V = .017 / 3.4 W = .000002 / 3.7 T = .001 / .3 LAT = -48.0 U = .018 / 6.4 V = .014 / 3.4 W = .000002 / 3.7 T = .001 / .1 LAT = -42.0 U = .018 / 6.4 V = .017 / 3.4 W = .000002 / 3.7 T = .001 / .1 LAT = -30.0 U = .018 / 6.4 V = .017 / 3.4 W = .000002 / 3.0 T = .001 / .1 LAT = -30.0 U = .018 / 6.4 V = .017 / 3.2 W = .000005 / 11.4 T = .003 / .1 LAT = -60.0 U = .018 / 6.4 V = .017 / 3.2 W = .000005 / 11.4 T = .003 / .1 LAT = -60.0 U = .018 / 6.4 V = .017 / 3.2 W = .000000 / 12.0 T = .000 / 12.0 U LAT = -60.0 U = .018 / 6.4 V = .017 / 3.4 W = .000000 / 3.5 T = .001 / .1 LAT = -30.0 U = .018 / 6.4 V = .017 / 3.4 W = .000000 / 3.5 T = .001 / .1 LAT = -30.0 U = .018 / 6.4 V = .017 / 6.1 V = .016 / 6.4 V = .000000 / 11.0 T = .0000 / 12.0 U LAT = -60.0 U = .018 / 6.4 V = .000000 / 3.2 W = .0000000 / 11.0 T = .0000 / 12.0 U LAT = -60.0 U = .016 / 6.1 V = .0000000 / 2.2 W = .						W= 0.0000	00 / 12.0		
LAT= 30.0 U= .012 / 6.0 V= .013 / 9.0 W= 0.00000 / 12.0 T= .004 / .9 LAT= 36.0 U= .011 / 6.2 V= .013 / 9.1 W= 0.000000 / 12.0 T= .002 / .9 LAT= 42.0 U= .011 / 6.2 V= .013 / 9.1 W= 0.000000 / 12.0 T= .001 / .9 LAT= 48.0 U= .010 / 6.3 V= .0011 / 9.3 W= 0.000000 / 12.0 T= .001 / .9 LAT= 54.0 U= .010 / 6.3 V= .001 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.0 LAT= 56.0 U= .007 / 6.4 V= .007 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.1 LAT= 66.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .000 / 12.0 LAT= 72.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT= 72.0 U= .005 / 6.4 V= .005 / 9.8 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT= 78.0 U= .004 / 6.5 V= .002 / 9.8 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT= 78.0 U= .006 / 6.4 V= .005 / 3.2 W= .0000000 / 12.0 T= .0000 / 12.0 LAT= 78.0 U= .008 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT= 78.0 U= .008 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT= 78.0 U= .008 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT= 78.0 U= .008 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT= 78.0 U= .008 / 6.4 V= .007 / 3.3 W= .000000 / 13.0 T= .0000 / 12.0 LAT= 78.0 U= .008 / 6.4 V= .007 / 3.3 W= .000000 / 3.7 T= .001 / .3 LAT= 54.0 U= .011 / 6.4 V= .011 / 3.4 W= .000001 / 3.4 T= .0.000 / 12.0 LAT= 78.0 U= .016 / 6.4 V= .017 / 3.4 W= .000002 / 3.7 T= .001 / .1 LAT= 78.0 U= .016 / 6.4 V= .017 / 3.4 W= .000002 / 3.7 T= .001 / .1 LAT= 78.0 U= .018 / 6.4 V= .017 / 3.4 W= .000002 / 3.7 T= .001 / .1 LAT= 78.0 U= .018 / 6.4 V= .017 / 3.4 W= .000002 / 3.7 T= .001 / .1 LAT= 78.0 U= .018 / 6.4 V= .017 / 3.4 W= .000002 / 3.7 T= .001 / .1 LAT= 78.0 U= .018 / 6.4 V= .017 / 3.4 W= .000002 / 3.7 T= .001 / .1 LAT= 78.0 U= .018 / 6.4 V= .017 / 3.4 W= .000002 / 3.7 T= .001 / .1 LAT= 78.0 U= .018 / 6.4 V= .017 / 3.4 W= .000002 / 3.7 T= .001 / .1 LAT= 78.0 U= .018 / 6.4 V= .017 / 3.4 W= .000002 / 3.7 T= .001 / .1 LAT= 78.0 U= .018 / 6.4 V= .017 / 3.4 W= .000002 / 3.7 T= .001 / .1 LAT= 78.0 U= .018 / 6.4 V= .018 / 0.0000000000000000000000000000000000									
LAT= 36.0 U= .012 / 6.2 V= .013 / 9.1 W= 0.000000 / 12.0 T= .001 / .9 LAT= 42.0 U= .011 / 6.2 V= .013 / 9.2 W= 0.000000 / 12.0 T= .001 / .9 LAT= 48.0 U= .010 / 6.3 V= .011 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.0 LAT= 54.0 U= .010 / 6.3 V= .009 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.0 LAT= 66.0 U= .005 / 6.4 V= .007 / 9.3 W= 0.000000 / 12.0 T= .000 / 12.0 LAT= 66.0 U= .005 / 6.4 V= .007 / 9.3 W= 0.000000 / 12.0 T= .000 / 12.0 LAT= 72.0 U= .005 / 6.4 V= .006 / 9.3 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT= 78.0 U= .005 / 6.4 V= .004 / 9.4 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT= 78.0 U= .008 / 6.4 V= .004 / 9.4 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT= 78.0 U= .008 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT= 78.0 U= .008 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= .0000 / 12.0 LAT= 66.0 U= .011 / 6.4 V= .007 / 3.3 W= .000001 / .9 T= .0000 / 12.0 LAT= 66.0 U= .016 / 6.4 V= .007 / 3.3 W= .000001 / .9 T= .0000 / 12.0 LAT= 66.0 U= .016 / 6.4 V= .007 / 3.4 W= .000001 / .9 T= .0000 / .3 LAT= 60.0 U= .016 / 6.4 V= .011 / 3.4 W= .000001 / 3.4 T= .000 / .3 LAT= 64.0 U= .016 / 6.4 V= .017 / 3.4 W= .000002 / 3.7 T= .001 / .3 LAT= 64.0 U= .018 / 6.4 V= .007 / 3.3 W= .000002 / 3.5 T= .001 / .1 LAT= -36.0 U= .018 / 6.4 V= .002 / 3.4 W= .000003 / 3.5 T= .001 / .1 LAT= -30.0 U= .018 / 6.4 V= .002 / 3.4 W= .000003 / 3.5 T= .001 / .1 LAT= -30.0 U= .018 / 6.4 V= .002 / 3.2 W= .000003 / 1. T= .001 / .1 LAT= -30.0 U= .018 / 6.4 V= .002 / 3.2 W= .000003 / 1. T= .001 / .1 LAT= -24.0 U= .019 / 6.3 V= .021 / 3.2 W= .000003 / 1. T= .001 / .1 LAT= -24.0 U= .016 / 6.1 V= .001 / 3.2 W= .000003 / 1. T= .004 / .1 LAT= -12.0 U= .014 / 6.1 V= .001 / 3.2 W= .000003 / 1. T= .004 / .1 LAT= -12.0 U= .014 / 6.1 V= .001 / 3.2 W= .000005 / 10.6 T= .008 / 12.0 LAT= 18.0 U= .016 / 6.4 V= .014 / 9.5 W= .000005 / 10.5 T= .007 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .014 / 9.5 W= .000005 / 10.5 T= .000 / 12.0 LAT= 18.0 U= .014 / 6.1 V= .0014 / 9.3 W= .000005 / 10.5 T= .000 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .014 / 9.5 W= .000005 / 1.5 T= .000 / 12.0 LAT= 18.0 U									
LAT= 42.0 U= .011 / 6.2 V= .013 / 9.2 W= 0.000000 / 12.0 T= .001 / .9 LAT= 48.0 U= .010 / 6.3 V= .0011 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.0 LAT= 54.0 U= .007 / 6.4 V= .007 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.1 LAT= 60.0 U= .007 / 6.4 V= .007 / 9.3 W= 0.000000 / 12.0 T= .000 / 12.0 LAT= 66.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT= 72.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT= 78.0 U= .005 / 6.4 V= .004 / 9.4 W= 0.000000 / 12.0 T= .0000 / 12.0 Z= 2.078 KM LAT=-78.0 U= .006 / 6.4 V= .005 / 3.2 W= .0000000 / 12.0 T= .0000 / 12.0 LAT=-72.0 U= .008 / 6.4 V= .007 / 3.3 W= .000001 / .9 T= .0000 / 12.0 LAT=-66.0 U= .011 / 6.4 V= .007 / 3.3 W= .000001 / .9 T= .0000 / 12.0 LAT=-66.0 U= .011 / 6.4 V= .011 / 3.4 W= .000001 / .9 T= .0000 / .3 LAT=-66.0 U= .016 / 6.4 V= .011 / 3.4 W= .000001 / 3.4 T= .0000 / .3 LAT=-54.0 U= .016 / 6.4 V= .011 / 3.4 W= .000001 / 3.4 T= .000 / .3 LAT=-60.0 U= .016 / 6.4 V= .011 / 3.4 W= .000002 / 3.7 T= .001 / .1 LAT=-48.0 U= .018 / 6.4 V= .021 / 3.3 W= .000002 / 3.0 T= .001 / .1 LAT=-36.0 U= .019 / 6.3 V= .021 / 3.3 W= .000002 / 1.4 T= .003 / .1 LAT=-30.0 U= .019 / 6.3 V= .021 / 3.3 W= .000005 / 11.4 T= .003 / .1 LAT=-24.0 U= .016 / 6.1 V= .019 / 3.2 W= .000005 / 11.4 T= .003 / .1 LAT=-24.0 U= .016 / 6.1 V= .019 / 3.2 W= .000005 / 11.4 T= .003 / .1 LAT=-24.0 U= .016 / 6.1 V= .011 / 2.8 W= .000005 / 10.6 T= .008 / 12.0 LAT=-18.0 U= .014 / 6.1 V= .004 / .3 W= .000005 / 10.6 T= .008 / 12.0 LAT=-18.0 U= .014 / 6.1 V= .004 / .3 W= .000005 / 10.6 T= .008 / 12.0 LAT=-10.0 U= .014 / 6.1 V= .004 / .9 W= .000005 / 10.6 T= .008 / 12.0 LAT=-60.0 U= .013 / 6.1 V= .004 / .9 W= .000005 / 10.6 T= .008 / 12.0 LAT=-18.0 U= .014 / 6.1 V= .004 / .9 W= .000005 / 10.6 T= .008 / 12.0 LAT=-18.0 U= .013 / 6.1 V= .004 / .9 W= .000005 / 10.6 T= .008 / 12.0 LAT=-18.0 U= .014 / 6.1 V= .004 / .9 W= .000005 / 10.6 T= .008 / 12.0 LAT=-60.0 U= .014 / 6.1 V= .004 / .9 W= .000005 / 10.5 T= .000 / 12.0 LAT=-60.0 U= .013 / 6.1 V= .000005 / 10.9 W= .000005 / 10.5 T= .0000		-							
LAT= 48.0 U= .010 / 6.3 V= .011 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.0 LAT= 54.0 U= .010 / 6.3 V= .009 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.1 LAT= 60.0 U= .007 / 6.4 V= .007 / 9.3 W= 0.000000 / 12.0 T= .000 / 12.0 LAT= 66.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT= 72.0 U= .005 / 6.4 V= .004 / 9.4 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT= 78.0 U= .004 / 6.5 V= .002 / 9.8 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT= 78.0 U= .004 / 6.5 V= .002 / 9.8 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT= 78.0 U= .008 / 6.4 V= .007 / 3.3 W= .000001 / .9 T= .0000 / 12.0 LAT= 66.0 U= .001 / 6.4 V= .007 / 3.3 W= .000001 / .9 T= .0000 / 12.0 LAT= 66.0 U= .011 / 6.4 V= .011 / 3.4 W= .000001 / .9 T= .0000 / 12.0 LAT= 54.0 U= .016 / 6.4 V= .014 / 3.4 W= .000001 / 3.4 T= .000 / .3 LAT= 64.0 U= .016 / 6.4 V= .014 / 3.4 W= .000003 / 3.5 T= .001 / .1 LAT= 48.0 U= .018 / 6.4 V= .014 / 3.4 W= .000002 / 3.0 T= .001 / .1 LAT= 48.0 U= .018 / 6.4 V= .020 / 3.4 W= .000002 / 3.0 T= .001 / .1 LAT= 30.0 U= .018 / 6.2 V= .019 / 3.2 W= .000002 / 1.4 T= .003 / .1 LAT= 30.0 U= .018 / 6.2 V= .019 / 3.2 W= .000003 / 1.4 T= .003 / .1 LAT= 24.0 U= .018 / 6.2 V= .019 / 3.2 W= .000003 / 1.4 T= .005 / .1 LAT= 18.0 U= .018 / 6.1 V= .011 / 2.8 W= .000003 / 10.6 T= .007 / 12.0 LAT= 18.0 U= .016 / 6.1 V= .011 / 2.8 W= .000003 / 10.6 T= .008 / 12.0 LAT= 18.0 U= .014 / 6.1 V= .016 / 3.0 W= .000005 / 10.6 T= .008 / 12.0 LAT= 18.0 U= .014 / 6.1 V= .004 / 9.3 W= .000003 / 10.1 T= .008 / 12.0 LAT= 18.0 U= .014 / 6.1 V= .004 / 9.3 W= .000003 / 10.1 T= .008 / 12.0 LAT= 18.0 U= .014 / 6.1 V= .004 / 9.3 W= .000003 / 10.1 T= .008 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .004 / 9.3 W= .000005 / 10.6 T= .008 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .004 / 9.3 W= .000005 / 10.6 T= .008 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .004 / 9.3 W= .000005 / 10.6 T= .008 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .004 / 9.3 W= .000005 / 10.6 T= .008 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .004 / 9.3 W= .000005 / 10.6 T= .006 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .004 / 9.8 W= .000005 / 10.6 T= .006 / 12.0 LA		-							
LAT= 54.0 U= .010 / 6.3 V= .009 / 9.3 W= 0.000000 / 12.0 T= .001 / 1.1 LAT= 60.0 U= .005 / 6.4 V= .007 / 9.3 W= 0.000000 / 12.0 T= .0000 / 12.0 LAT= 66.0 U= .005 / 6.4 V= .005 / 9.3 W= 0.000000 / 12.0 T= 0.000 / 12.0 LAT= 72.0 U= .005 / 6.4 V= .004 / 9.4 W= 0.000000 / 12.0 T= 0.000 / 12.0 LAT= 78.0 U= .004 / 6.5 V= .002 / 9.8 W= 0.000000 / 12.0 T= 0.000 / 12.0 LAT= 78.0 U= .006 / 6.4 V= .005 / 9.8 W= 0.000000 / 12.0 T= 0.000 / 12.0 LAT= 78.0 U= .006 / 6.4 V= .007 / 3.3 W= .000000 / 12.0 T= 0.000 / 12.0 LAT= 72.0 U= .008 / 6.4 V= .007 / 3.3 W= .000001 / .9 T= 0.000 / 12.0 LAT= 72.0 U= .008 / 6.4 V= .007 / 3.3 W= .000001 / .9 T= 0.000 / 12.0 LAT= 75.0 U= .008 / 6.4 V= .011 / 3.4 W= .000001 / 3.4 T= 0.000 / 3.4 LAT= 56.0 U= .014 / 6.4 V= .011 / 3.4 W= .000001 / 3.4 T= 0.000 / 3.4 LAT= 54.0 U= .014 / 6.4 V= .014 / 3.4 W= .000002 / 3.7 T= .001 / 3.1 LAT= 54.0 U= .018 / 6.4 V= .020 / 3.4 W= .000002 / 3.7 T= .001 / .1 LAT= 36.0 U= .018 / 6.4 V= .021 / 3.3 W= .000002 / 3.0 T= .001 / .1 LAT= 30.0 U= .019 / 6.3 V= .021 / 3.2 W= .000003 / 3.5 T= .001 / .1 LAT= 30.0 U= .018 / 6.2 V= .019 / 3.2 W= .000005 / 11.4 T= .003 / .1 LAT= 72.0 U= .018 / 6.1 V= .011 / 2.8 W= .000005 / 11.4 T= .005 / .1 LAT= 72.0 U= .018 / 6.1 V= .016 / 3.0 W= .000005 / 10.6 T= .008 / 12.0 LAT= 18.0 U= .016 / 6.1 V= .016 / 3.0 W= .000005 / 10.6 T= .008 / 12.0 LAT= 76.0 U= .014 / 6.1 V= .016 / 3.0 W= .000005 / 10.6 T= .008 / 12.0 LAT= 10.0 U= .014 / 6.1 V= .001 / 2.8 W= .000005 / 10.6 T= .008 / 12.0 LAT= 10.0 U= .013 / 6.1 V= .004 / 9.3 W= .000005 / 10.6 T= .008 / 12.0 LAT= 10.0 U= .013 / 6.1 V= .004 / 9.3 W= .000005 / 10.6 T= .008 / 12.0 LAT= 10.0 U= .013 / 6.1 V= .004 / 9.3 W= .000005 / 1.5 T= .007 / 12.0 LAT= 30.0 U= .013 / 6.1 V= .012 / 8.8 W= .000005 / 1.5 T= .007 / 12.0 LAT= 42.0 U= .013 / 6.1 V= .014 / 9.1 W= .000005 / 1.5 T= .002 / 12.0 LAT= 42.0 U= .013 / 6.1 V= .014 / 9.1 W= .000005 / 1.5 T= .002 / 12.0 LAT= 40.0 U= .013 / 6.1 V= .014 / 9.1 W= .000005 / 1.5 T= .002 / 12.0 LAT= 40.0 U= .013 / 6.1 V= .014 / 9.1 W= .000005 / 1.5 T= .000 / 12.0 L		_	· · · · · · · · · · · · · · · · · · ·						
LAT= 60.0 U= .007 / 6.4 V= .007 / 9.3 W= .0000000 / 12.0 T= 0.000 / 12.0 LAT= 72.0 U= .005 / 6.4 V= .005 / 9.3 W= .0000000 / 12.0 T= 0.000 / 12.0 LAT= 72.0 U= .005 / 6.4 V= .004 / 9.4 W= .0000000 / 12.0 T= 0.000 / 12.0 LAT= 78.0 U= .004 / 6.5 V= .002 / 9.8 W= .0000000 / 12.0 T= 0.000 / 12.0 Z= 2.078 KM LAT=-78.0 U= .006 / 6.4 V= .005 / 3.2 W= .000000 / 12.0 T= 0.000 / 12.0 LAT= 78.0 U= .008 / 6.4 V= .007 / 3.3 W= .00001 / .9 T= 0.000 / 12.0 LAT=-66.0 U= .011 / 6.4 V= .011 / 3.4 W= .000001 / .9 T= 0.000 / 12.0 LAT=-66.0 U= .014 / 6.4 V= .011 / 3.4 W= .000001 / .9 T= 0.000 / .3 LAT=-64.0 U= .016 / 6.4 V= .017 / 3.4 W= .000002 / 3.7 T= .001 / .3 LAT=-48.0 U= .018 / 6.4 V= .017 / 3.4 W= .000002 / 3.7 T= .001 / .1 LAT=-48.0 U= .018 / 6.4 V= .021 / 3.3 W= .000002 / 3.0 T= .001 / .1 LAT=-30.0 U= .019 / 6.4 V= .021 / 3.3 W= .000002 / 1.4 T= .003 / .1 LAT=-30.0 U= .018 / 6.2 V= .021 / 3.2 W= .000005 / 11.4 T= .003 / .1 LAT=-24.0 U= .016 / 6.1 V= .016 / 3.0 W= .000005 / 11.4 T= .003 / .1 LAT=-18.0 U= .016 / 6.1 V= .016 / 3.0 W= .000005 / 10.6 T= .008 / 12.0 LAT=-18.0 U= .014 / 6.1 V= .016 / 3.0 W= .000005 / 10.6 T= .008 / 12.0 LAT=-10.0 U= .014 / 6.1 V= .0014 / 9.3 W= .000005 / 10.6 T= .008 / 12.0 LAT= 6.0 U= .014 / 6.1 V= .0014 / 9.3 W= .000005 / 10.6 T= .008 / 12.0 LAT= 6.0 U= .014 / 6.1 V= .004 / 9.3 W= .000005 / 10.6 T= .008 / 12.0 LAT= 12.0 U= .014 / 6.1 V= .004 / 9.3 W= .000005 / 3.0 T= .007 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .004 / 9.3 W= .000005 / 3.0 T= .007 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .004 / 9.3 W= .000005 / 3.0 T= .007 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .016 / 8.8 W= .000005 / 3.0 T= .007 / 12.0 LAT= 30.0 U= .013 / 6.1 V= .014 / 9.1 W= .000005 / 1.5 T= .002 / 12.0 LAT= 30.0 U= .013 / 6.1 V= .014 / 9.1 W= .000005 / 3.0 T= .007 / 12.0 LAT= 30.0 U= .013 / 6.1 V= .014 / 9.1 W= .000005 / 3.0 T= .007 / 12.0 LAT= 30.0 U= .013 / 6.1 V= .014 / 9.1 W= .000005 / 3.2 T= .0004 / 1.0 LAT= 30.0 U= .013 / 6.1 V= .014 / 9.1 W= .000005 / 3.2 T= .0001 / 1.0 LAT= 30.0 U= .013 / 6.1 V= .014 / 9.1 W= .000005 / 3.2 T= .0004 /			1 1 2 1 2	-					
LAT= 66.0 U= .005 / 6.4 V= .004 / 9.3 W= 0.000000 / 12.0 T= 0.000 / 12.0 LAT= 78.0 U= .004 / 6.5 V= .004 / 9.4 W= 0.000000 / 12.0 T= 0.000 / 12.0 Z= 2.078 KM LAT=-78.0 U= .006 / 6.4 V= .002 / 9.8 W= 0.000000 / 12.0 T= 0.000 / 12.0 LAT=-72.0 U= .008 / 6.4 V= .007 / 3.3 W= .000001 / .9 T= 0.000 / 12.0 LAT=-72.0 U= .008 / 6.4 V= .007 / 3.3 W= .000001 / .9 T= 0.000 / 12.0 LAT=-66.0 U= .011 / 6.4 V= .011 / 3.4 W= .000001 / .9 T= 0.000 / 12.0 LAT=-66.0 U= .014 / 6.4 V= .011 / 3.4 W= .000001 / 3.4 T= 0.000 / 12.0 LAT=-54.0 U= .016 / 6.4 V= .014 / 3.4 W= .000001 / 3.7 T= .001 / .3 LAT=-54.0 U= .016 / 6.4 V= .017 / 3.4 W= .000002 / 3.7 T= .001 / .1 LAT=-48.0 U= .018 / 6.4 V= .020 / 3.4 W= .000002 / 3.0 T= .001 / .1 LAT=-36.0 U= .019 / 6.3 V= .021 / 3.3 W= .000002 / 1.4 T= .003 / .1 LAT=-36.0 U= .019 / 6.3 V= .021 / 3.3 W= .000003 / .1 T= .004 / .1 LAT=-24.0 U= .019 / 6.2 V= .019 / 3.2 W= .000003 / .1 T= .004 / .1 LAT=-24.0 U= .016 / 6.1 V= .016 / 3.0 W= .000005 / 10.6 T= .008 / 12.0 LAT=-18.0 U= .016 / 6.1 V= .016 / 3.0 W= .000005 / 10.6 T= .008 / 12.0 LAT=-6.0 U= .014 / 6.1 V= .016 / 3.0 W= .000005 / 10.6 T= .008 / 12.0 LAT=-6.0 U= .014 / 6.1 V= .001 / 2.5 W= .000003 / 4.6 T= .008 / 12.0 LAT= 6.0 U= .014 / 6.1 V= .004 / 9.3 W= .000005 / 3.0 T= .008 / 12.0 LAT= 12.0 U= .014 / 6.1 V= .004 / 9.3 W= .000005 / 3.0 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .004 / 9.3 W= .000005 / 3.0 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .004 / 9.3 W= .000005 / 3.0 T= .007 / 12.0 LAT= 30.0 U= .013 / 6.1 V= .004 / 9.3 W= .000005 / 1.6 T= .008 / 12.0 LAT= 30.0 U= .013 / 6.1 V= .014 / 9.5 W= .000005 / 1.5 T= .004 / .1 LAT= 36.0 U= .013 / 6.1 V= .014 / 9.5 W= .000005 / 1.5 T= .0004 / 1.0 LAT= 38.0 U= .013 / 6.1 V= .014 / 9.5 W= .000005 / 1.5 T= .0004 / 1.0 LAT= 38.0 U= .013 / 6.4 V= .014 / 9.5 W= .000005 / 1.5 T= .0004 / 1.0 LAT= 38.0 U= .013 / 6.4 V= .014 / 9.5 W= .000005 / 1.5 T= .0004 / 1.0 LAT= 38.0 U= .013 / 6.4 V= .014 / 9.5 W= .000005 / 1.5 T= .0004 / 1.0 LAT= 38.0 U= .013 / 6.4 V= .014 / 9.5 W= .000005 / 1.5 T= .0004 / 1.0 LAT= 38.0									
LAT= 72.0 U= .005 / 6.4 V= .004 / 9.4 W= 0.00000 / 12.0 T= 0.000 / 12.0 LAT= 78.0 U= .004 / 6.5 V= .002 / 9.8 W= 0.000000 / 12.0 T= 0.000 / 12.0 LAT= 78.0 U= .006 / 6.4 V= .005 / 3.2 W= .000002 / 11.0 T= 0.000 / 12.0 LAT= 72.0 U= .008 / 6.4 V= .007 / 3.3 W= .000001 / .9 T= 0.000 / 12.0 LAT= 66.0 U= .011 / 6.4 V= .007 / 3.3 W= .000001 / .9 T= 0.000 / 12.0 LAT= 66.0 U= .011 / 6.4 V= .011 / 3.4 W= .000001 / .9 T= 0.000 / 12.0 LAT= 54.0 U= .016 / 6.4 V= .014 / 3.4 W= .000002 / 3.7 T= .001 / .3 LAT= 54.0 U= .016 / 6.4 V= .017 / 3.4 W= .000003 / 3.5 T= .001 / .1 LAT= -36.0 U= .018 / 6.4 V= .020 / 3.4 W= .000002 / 3.0 T= .001 / .1 LAT= -36.0 U= .019 / 6.4 V= .021 / 3.3 W= .000002 / 1.4 T= .003 / .1 LAT= -30.0 U= .018 / 6.2 V= .021 / 3.2 W= .000002 / 1.4 T= .003 / .1 LAT= -30.0 U= .018 / 6.2 V= .019 / 3.2 W= .000005 / 11.4 T= .005 / .1 LAT= -24.0 U= .018 / 6.2 V= .019 / 3.2 W= .000005 / 11.4 T= .005 / .1 LAT= -18.0 U= .016 / 6.1 V= .016 / 3.0 W= .000005 / 11.4 T= .005 / .1 LAT= -18.0 U= .016 / 6.1 V= .016 / 3.0 W= .000005 / 10.6 T= .008 / 12.0 LAT= -12.0 U= .014 / 6.1 V= .007 / 2.5 W= .000003 / 10.1 T= .008 / 12.0 LAT= 6.0 U= .014 / 6.1 V= .007 / 2.5 W= .000003 / 10.1 T= .008 / 12.0 LAT= 6.0 U= .014 / 6.1 V= .004 / 9.3 W= .000003 / 10.1 T= .008 / 12.0 LAT= 18.0 U= .014 / 6.1 V= .004 / 9.3 W= .000003 / 10.1 T= .008 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .007 / 8.8 W= .000006 / 3.0 T= .007 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .012 / 8.8 W= .000006 / 2.2 T= .007 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .014 / 9.1 W= .000007 / 1.6 T= .006 / 12.0 LAT= 30.0 U= .013 / 6.1 V= .014 / 9.1 W= .000006 / 1.2 T= .007 / 12.0 LAT= 48.0 U= .013 / 6.5 V= .014 / 9.5 W= .000006 / 1.2 T= .006 / 12.0 LAT= 48.0 U= .013 / 6.5 V= .014 / 9.5 W= .000006 / 1.2 T= .007 / 12.0 LAT= 60.0 U= .013 / 6.5 V= .014 / 9.5 W= .000006 / 1.2 T= .0000 / 12.0 LAT= 60.0 U= .002 / 6.5 V= .004 / 9.5 W= .000006 / 1.2 T= .0000 / 12.0 LAT= 60.0 U= .009 / 6.9 V= .0014 / 9.5 W= .000000 / 3.3 T= .0000 / 12.0 LAT= 60.0 U= .007 / 6.7 V= .008 / 9.8 W= .000000 / 3.3 T= .0000 / 12.0 LAT= 6									
LAT= 78.0 U= .004 / 6.5 V= .002 / 9.8 W= 0.000000 / 12.0 T= 0.000 / 12.0 Z= 2.078 KM LAT=-78.0 U= .006 / 6.4 V= .005 / 3.2 W= .000002 / 11.0 T= 0.000 / 12.0 LAT=-72.0 U= .008 / 6.4 V= .007 / 3.3 W= .00001 / .9 T= 0.000 / 12.0 LAT=-66.0 U= .011 / 6.4 V= .011 / 3.4 W= .00001 / 3.4 T= 0.000 / 3.4 LAT=-66.0 U= .014 / 6.4 V= .011 / 3.4 W= .000002 / 3.7 T= .001 / .3 LAT=-54.0 U= .016 / 6.4 V= .017 / 3.4 W= .000002 / 3.7 T= .001 / .1 LAT=-48.0 U= .018 / 6.4 V= .021 / 3.3 W= .000002 / 3.0 T= .001 / .1 LAT=-42.0 U= .019 / 6.4 V= .021 / 3.3 W= .000002 / 3.0 T= .001 / .1 LAT=-36.0 U= .019 / 6.3 V= .021 / 3.2 W= .000002 / 1.4 T= .003 / .1 LAT=-30.0 U= .018 / 6.2 V= .019 / 3.2 W= .000003 / 1.1 T= .004 / .1 LAT=-24.0 U= .017 / 6.1 V= .016 / 3.0 W= .00006 / 10.9 T= .007 / 12.0 LAT=-12.0 U= .016 / 6.1 V= .016 / 3.0 W= .000006 / 10.9 T= .007 / 12.0 LAT=-12.0 U= .014 / 6.1 V= .011 / 2.8 W= .000005 / 10.6 T= .008 / 12.0 LAT= 6.0 U= .013 / 6.1 V= .004 / 9.3 W= .000003 / 1.1 T= .008 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .004 / 9.3 W= .000007 / 1.6 T= .008 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .004 / 9.3 W= .000006 / 3.0 T= .007 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .004 / 9.3 W= .000007 / 1.6 T= .008 / 12.0 LAT= 30.0 U= .013 / 6.1 V= .004 / 9.3 W= .000007 / 1.6 T= .008 / 12.0 LAT= 31.0 U= .013 / 6.1 V= .004 / 9.3 W= .000007 / 1.6 T= .008 / 12.0 LAT= 32.0 U= .013 / 6.1 V= .012 / 8.8 W= .000007 / 1.5 T= .006 / 12.0 LAT= 32.0 U= .013 / 6.1 V= .014 / 9.3 W= .000007 / 1.5 T= .006 / 12.0 LAT= 32.0 U= .013 / 6.1 V= .014 / 9.3 W= .000006 / 1.5 T= .006 / 12.0 LAT= 32.0 U= .013 / 6.1 V= .014 / 9.3 W= .000006 / 1.5 T= .002 / 12.0 LAT= 34.0 U= .013 / 6.1 V= .014 / 9.3 W= .000006 / 1.5 T= .006 / 12.0 LAT= 34.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.5 T= .000 / 12.0 LAT= 34.0 U= .012 / 6.5 V= .014 / 9.3 W= .000006 / 1.5 T= .002 / 12.0 LAT= 34.0 U= .012 / 6.5 V= .014 / 9.3 W= .000006 / 1.5 T= .000 / 12.0 LAT= 34.0 U= .012 / 6.5 V= .014 / 9.5 W= .000006 / 1.5 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .010 / 9.8 W= .000002 / 3									
Z= 2.078 KM LAT=-78.0 U= .006 / 6.4 V= .005 / 3.2 W= .000002 / 11.0 T= 0.000 / 12.0 LAT=-72.0 U= .008 / 6.4 V= .007 / 3.3 W= .000001 / .9 T= 0.000 / 12.0 LAT=-66.0 U= .011 / 6.4 V= .011 / 3.4 W= .000001 / 3.4 T= 0.000 / 12.0 LAT=-66.0 U= .014 / 6.4 V= .014 / 3.4 W= .000001 / 3.4 T= 0.000 / 3.4 LAT=-60.0 U= .016 / 6.4 V= .014 / 3.4 W= .000002 / 3.7 T= .001 / .3 LAT=-48.0 U= .016 / 6.4 V= .017 / 3.4 W= .000002 / 3.7 T= .001 / .1 LAT=-48.0 U= .018 / 6.4 V= .020 / 3.4 W= .000002 / 3.0 T= .001 / .1 LAT=-48.0 U= .019 / 6.4 V= .020 / 3.4 W= .000002 / 3.0 T= .001 / .1 LAT=-36.0 U= .019 / 6.4 V= .021 / 3.3 W= .000002 / 1.4 T= .003 / .1 LAT=-30.0 U= .018 / 6.3 V= .021 / 3.2 W= .000003 / .1 T= .004 / .1 LAT=-30.0 U= .018 / 6.2 V= .019 / 3.2 W= .000005 / 11.4 T= .005 / .1 LAT=-24.0 U= .017 / 6.1 V= .016 / 3.0 W= .000005 / 11.4 T= .005 / .1 LAT=-18.0 U= .016 / 6.1 V= .016 / 3.0 W= .000005 / 10.6 T= .008 / 12.0 LAT=-18.0 U= .014 / 6.1 V= .016 / 3.0 W= .000005 / 10.6 T= .008 / 12.0 LAT=-6.0 U= .014 / 6.1 V= .007 / 2.5 W= .000003 / 10.1 T= .008 / 12.0 LAT= 6.0 U= .014 / 6.1 V= .007 / 2.5 W= .000003 / 10.1 T= .008 / 12.0 LAT= 6.0 U= .014 / 6.1 V= .007 / 8.8 W= .000003 / 4.6 T= .008 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .007 / 8.8 W= .000005 / 3.0 T= .007 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .007 / 8.8 W= .000006 / 3.0 T= .007 / 12.0 LAT= 24.0 U= .013 / 6.1 V= .014 / 9.3 W= .000006 / 3.0 T= .007 / 12.0 LAT= 36.0 U= .013 / 6.1 V= .013 / 8.9 W= .000006 / 3.0 T= .007 / 12.0 LAT= 36.0 U= .013 / 6.1 V= .014 / 9.3 W= .000006 / 1.2 T= .007 / 12.0 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.5 T= .006 / 12.0 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.5 T= .0006 / 12.0 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .007 / 12.0 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.5 T= .0006 / 12.0 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.5 T= .0006 / 12.0 LAT= 66.0 U= .012 / 6.5 V= .014 / 9.3 W= .000007 / 1.6 T= .0006 / 12.0 LAT= 66.0 U= .0007 / 6.9 V= .0100 / 9.8 W= .0000002 / 3.3 T= .0000 / 12.0 LAT= 6									
LAT=-78.0 U= .006 / 6.4 V= .005 / 3.2 W= .000002 / 11.0 T= 0.000 / 12.0 LAT=-72.0 U= .008 / 6.4 V= .007 / 3.3 W= .000001 / .9 T= 0.000 / 12.0 LAT=-66.0 U= .011 / 6.4 V= .011 / 3.4 W= .000001 / 3.4 T= 0.000 / 12.0 LAT=-66.0 U= .014 / 6.4 V= .014 / 3.4 W= .000001 / 3.4 T= 0.000 / 3.3 LAT=-64.0 U= .016 / 6.4 V= .017 / 3.4 W= .000002 / 3.7 T= .001 / .1 LAT=-48.0 U= .018 / 6.4 V= .017 / 3.4 W= .000003 / 3.5 T= .001 / .1 LAT=-48.0 U= .018 / 6.4 V= .021 / 3.3 W= .000002 / 3.0 T= .001 / .1 LAT=-36.0 U= .019 / 6.3 V= .021 / 3.3 W= .000002 / 1.4 T= .003 / .1 LAT=-36.0 U= .019 / 6.3 V= .021 / 3.2 W= .000003 / .1 T= .004 / .1 LAT=-30.0 U= .018 / 6.2 V= .019 / 3.2 W= .000003 / .1 T= .004 / .1 LAT=-38.0 U= .016 / 6.1 V= .016 / 3.0 W= .000005 / 11.4 T= .005 / .1 LAT=-18.0 U= .016 / 6.1 V= .011 / 2.8 W= .000005 / 11.4 T= .005 / .1 LAT=-18.0 U= .016 / 6.1 V= .011 / 2.8 W= .000005 / 10.9 T= .007 / 12.0 LAT=-18.0 U= .014 / 6.1 V= .001 / 9.3 W= .000005 / 10.6 T= .008 / 12.0 LAT= 0.0 U= .014 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 0.0 U= .014 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .004 / 9.3 W= .000005 / 3.0 T= .008 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .004 / 9.3 W= .000005 / 3.0 T= .007 / 12.0 LAT= 30.0 U= .013 / 6.1 V= .012 / 8.8 W= .000005 / 3.0 T= .007 / 12.0 LAT= 30.0 U= .013 / 6.1 V= .014 / 9.1 W= .000007 / 1.6 T= .006 / 12.0 LAT= 36.0 U= .013 / 6.1 V= .014 / 9.1 W= .000007 / 1.6 T= .006 / 12.0 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000007 / 1.6 T= .006 / 12.0 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000007 / 1.5 T= .002 / 12.0 LAT= 48.0 U= .012 / 6.5 V= .014 / 9.5 W= .000003 / 2.1 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.5 V= .014 / 9.5 W= .000003 / 2.1 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.5 V= .014 / 9.5 W= .000003 / 2.1 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.5 V= .014 / 9.5 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V=	[AI= 78.0	0*	.004 / 6.5	V =	.002 / 9.8	W= 0.0000	00 / 12.0	1 =	0.000 / 12.0
LAT=-78.0 U= .006 / 6.4 V= .005 / 3.2 W= .000002 / 11.0 T= 0.000 / 12.0 LAT=-72.0 U= .008 / 6.4 V= .007 / 3.3 W= .000001 / .9 T= 0.000 / 12.0 LAT=-66.0 U= .011 / 6.4 V= .011 / 3.4 W= .000001 / 3.4 T= 0.000 / 12.0 LAT=-66.0 U= .014 / 6.4 V= .014 / 3.4 W= .000001 / 3.4 T= 0.000 / 3.3 LAT=-64.0 U= .016 / 6.4 V= .017 / 3.4 W= .000002 / 3.7 T= .001 / .1 LAT=-48.0 U= .018 / 6.4 V= .017 / 3.4 W= .000003 / 3.5 T= .001 / .1 LAT=-48.0 U= .018 / 6.4 V= .021 / 3.3 W= .000002 / 3.0 T= .001 / .1 LAT=-36.0 U= .019 / 6.3 V= .021 / 3.3 W= .000002 / 1.4 T= .003 / .1 LAT=-36.0 U= .019 / 6.3 V= .021 / 3.2 W= .000003 / .1 T= .004 / .1 LAT=-30.0 U= .018 / 6.2 V= .019 / 3.2 W= .000003 / .1 T= .004 / .1 LAT=-38.0 U= .016 / 6.1 V= .016 / 3.0 W= .000005 / 11.4 T= .005 / .1 LAT=-18.0 U= .016 / 6.1 V= .011 / 2.8 W= .000005 / 11.4 T= .005 / .1 LAT=-18.0 U= .016 / 6.1 V= .011 / 2.8 W= .000005 / 10.9 T= .007 / 12.0 LAT=-18.0 U= .014 / 6.1 V= .001 / 9.3 W= .000005 / 10.6 T= .008 / 12.0 LAT= 0.0 U= .014 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 0.0 U= .014 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .004 / 9.3 W= .000005 / 3.0 T= .008 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .004 / 9.3 W= .000005 / 3.0 T= .007 / 12.0 LAT= 30.0 U= .013 / 6.1 V= .012 / 8.8 W= .000005 / 3.0 T= .007 / 12.0 LAT= 30.0 U= .013 / 6.1 V= .014 / 9.1 W= .000007 / 1.6 T= .006 / 12.0 LAT= 36.0 U= .013 / 6.1 V= .014 / 9.1 W= .000007 / 1.6 T= .006 / 12.0 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000007 / 1.6 T= .006 / 12.0 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000007 / 1.5 T= .002 / 12.0 LAT= 48.0 U= .012 / 6.5 V= .014 / 9.5 W= .000003 / 2.1 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.5 V= .014 / 9.5 W= .000003 / 2.1 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.5 V= .014 / 9.5 W= .000003 / 2.1 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.5 V= .014 / 9.5 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V=		L/ MA							
LAT=-72.0 U= .008 / 6.4 V= .007 / 3.3 W= .000001 / .9 T= 0.000 / 12.0 LAT=-66.0 U= .011 / 6.4 V= .011 / 3.4 W= .000001 / 3.4 T= 0.000 / 13.0 LAT=-60.0 U= .014 / 6.4 V= .014 / 3.4 W= .000002 / 3.7 T= .001 / .3 LAT=-54.0 U= .016 / 6.4 V= .017 / 3.4 W= .000002 / 3.7 T= .001 / .1 LAT=-48.0 U= .018 / 6.4 V= .020 / 3.4 W= .000002 / 3.0 T= .001 / .1 LAT=-42.0 U= .019 / 6.4 V= .021 / 3.3 W= .000002 / 3.0 T= .001 / .1 LAT=-36.0 U= .019 / 6.4 V= .021 / 3.3 W= .000002 / 1.4 T= .003 / .1 LAT=-36.0 U= .019 / 6.3 V= .021 / 3.2 W= .000003 / .1 T= .004 / .1 LAT=-34.0 U= .018 / 6.2 V= .019 / 3.2 W= .000005 / 11.4 T= .004 / .1 LAT=-24.0 U= .017 / 6.1 V= .016 / 3.0 W= .000005 / 10.9 T= .007 / 12.0 LAT=-18.0 U= .016 / 6.1 V= .011 / 2.8 W= .000005 / 10.6 T= .008 / 12.0 LAT=-12.0 U= .014 / 6.1 V= .001 / 2.5 W= .000003 / 1.1 T= .008 / 12.0 LAT= 0.0 U= .014 / 6.1 V= .002 / 1.4 W= .000003 / 1.1 T= .008 / 12.0 LAT= 6.0 U= .014 / 6.1 V= .002 / 1.4 W= .000003 / 1.1 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .002 / 1.4 W= .000003 / 1.5 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .004 / 9.3 W= .000005 / 3.0 T= .007 / 12.0 LAT= 36.0 U= .013 / 6.1 V= .010 / 8.8 W= .000005 / 3.0 T= .007 / 12.0 LAT= 36.0 U= .013 / 6.1 V= .012 / 8.8 W= .000006 / 2.2 T= .007 / 12.0 LAT= 36.0 U= .013 / 6.1 V= .014 / 9.3 W= .000006 / 1.2 T= .003 / 1 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .003 / 1 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .004 / .1 LAT= 54.0 U= .012 / 6.5 V= .014 / 9.5 W= .000005 / 3.3 T= .0000 / 12.0 LAT= 54.0 U= .012 / 6.8 V= .014 / 9.5 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 60.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 60.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 60.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 60.0 U= .007 / 6.9 V= .008	4= 2.078	L/184							
LAT=-72.0 U= .008 / 6.4 V= .007 / 3.3 W= .000001 / .9 T= 0.000 / 12.0 LAT=-66.0 U= .011 / 6.4 V= .011 / 3.4 W= .000001 / 3.4 T= 0.000 / 13.0 LAT=-60.0 U= .014 / 6.4 V= .014 / 3.4 W= .000002 / 3.7 T= .001 / .3 LAT=-54.0 U= .016 / 6.4 V= .017 / 3.4 W= .000002 / 3.7 T= .001 / .1 LAT=-48.0 U= .018 / 6.4 V= .020 / 3.4 W= .000002 / 3.0 T= .001 / .1 LAT=-42.0 U= .019 / 6.4 V= .021 / 3.3 W= .000002 / 3.0 T= .001 / .1 LAT=-36.0 U= .019 / 6.4 V= .021 / 3.3 W= .000002 / 1.4 T= .003 / .1 LAT=-36.0 U= .019 / 6.3 V= .021 / 3.2 W= .000003 / .1 T= .004 / .1 LAT=-34.0 U= .018 / 6.2 V= .019 / 3.2 W= .000005 / 11.4 T= .004 / .1 LAT=-24.0 U= .017 / 6.1 V= .016 / 3.0 W= .000005 / 10.9 T= .007 / 12.0 LAT=-18.0 U= .016 / 6.1 V= .011 / 2.8 W= .000005 / 10.6 T= .008 / 12.0 LAT=-12.0 U= .014 / 6.1 V= .001 / 2.5 W= .000003 / 1.1 T= .008 / 12.0 LAT= 0.0 U= .014 / 6.1 V= .002 / 1.4 W= .000003 / 1.1 T= .008 / 12.0 LAT= 6.0 U= .014 / 6.1 V= .002 / 1.4 W= .000003 / 1.1 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .002 / 1.4 W= .000003 / 1.5 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .004 / 9.3 W= .000005 / 3.0 T= .007 / 12.0 LAT= 36.0 U= .013 / 6.1 V= .010 / 8.8 W= .000005 / 3.0 T= .007 / 12.0 LAT= 36.0 U= .013 / 6.1 V= .012 / 8.8 W= .000006 / 2.2 T= .007 / 12.0 LAT= 36.0 U= .013 / 6.1 V= .014 / 9.3 W= .000006 / 1.2 T= .003 / 1 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .003 / 1 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .004 / .1 LAT= 54.0 U= .012 / 6.5 V= .014 / 9.5 W= .000005 / 3.3 T= .0000 / 12.0 LAT= 54.0 U= .012 / 6.8 V= .014 / 9.5 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 60.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 60.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 60.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 60.0 U= .007 / 6.9 V= .008	1AT70 0	11-	006 / 6 4	V =	005 / 3 3	w- 0000	02 / 11 0	T-	0.000 / 12.0
LAT=-66.0 U= .011 / 6.4 V= .011 / 3.4 W= .000001 / 3.4 T= 0.000 / .3 LAT=-60.0 U= .014 / 6.4 V= .014 / 3.4 W= .000002 / 3.7 T= .001 / .3 LAT=-54.0 U= .016 / 6.4 V= .017 / 3.4 W= .000003 / 3.5 T= .001 / .1 LAT=-48.0 U= .018 / 6.4 V= .020 / 3.4 W= .000002 / 3.0 T= .001 / .1 LAT=-42.0 U= .019 / 6.4 V= .021 / 3.3 W= .000002 / 1.4 T= .003 / .1 LAT=-36.0 U= .019 / 6.3 V= .021 / 3.2 W= .000002 / 1.4 T= .003 / .1 LAT=-30.0 U= .018 / 6.2 V= .019 / 3.2 W= .000005 / 11.4 T= .005 / .1 LAT=-24.0 U= .017 / 6.1 V= .016 / 3.0 W= .000005 / 10.9 T= .007 / 12.0 LAT=-12.0 U= .014 / 6.1 V= .011 / 2.8 W= .000005 / 10.6 T= .008 / 12.0 LAT=-6.0 U= .014 / 6.1 V= .007 / 2.5 W= .000003 / .1 T= .008 / 12.0 LAT= 0.0 U= .014 / 6.1 V= .000 / 9.3 W= .000003 / 10.1 T= .008 / 12.0 LAT= 0.0 U= .014 / 6.1 V= .004 / 9.3 W= .000003 / 10.1 T= .008 / 12.0 LAT= 0.0 U= .014 / 6.1 V= .004 / 9.3 W= .000003 / 10.1 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .007 / 8.8 W= .000003 / 4.6 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .007 / 8.8 W= .000005 / 3.0 T= .007 / 12.0 LAT= 30.0 U= .013 / 6.1 V= .012 / 8.8 W= .000006 / 2.2 T= .007 / 12.0 LAT= 30.0 U= .013 / 6.1 V= .014 / 9.1 W= .000006 / 1.2 T= .006 / 12.0 LAT= 30.0 U= .013 / 6.3 V= .014 / 9.3 W= .000006 / 1.2 T= .006 / 12.0 LAT= 34.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .003 / .1 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.5 W= .000006 / 1.2 T= .003 / .1 LAT= 54.0 U= .012 / 6.8 V= .014 / 9.5 W= .000006 / 1.2 T= .002 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .014 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .000 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 60.0 U= .007 / 6.9 V= .008 / 9.8 W= .0000002 / 3.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.9 V= .005 / 9.8 W= .000000 / 1.1 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000000 / 1.1 T= .0000 / 12.0									
LAT=-60.0 U= .014 / 6.4 V= .014 / 3.4 W= .000002 / 3.7 T= .001 / .3 LAT=-54.0 U= .016 / 6.4 V= .017 / 3.4 W= .000003 / 3.5 T= .001 / .1 LAT=-48.0 U= .018 / 6.4 V= .020 / 3.4 W= .000003 / 3.5 T= .001 / .1 LAT=-42.0 U= .019 / 6.4 V= .021 / 3.3 W= .000002 / 1.4 T= .003 / .1 LAT=-36.0 U= .019 / 6.3 V= .021 / 3.2 W= .000003 / .1 T= .004 / .1 LAT=-30.0 U= .018 / 6.2 V= .019 / 3.2 W= .000003 / .1 T= .004 / .1 LAT=-24.0 U= .017 / 6.1 V= .016 / 3.0 W= .000005 / 11.4 T= .005 / .1 LAT=-12.0 U= .016 / 6.1 V= .016 / 3.0 W= .000005 / 10.6 T= .007 / 12.0 LAT=-12.0 U= .014 / 6.1 V= .001 / 2.8 W= .000005 / 10.6 T= .008 / 12.0 LAT= 6.0 U= .014 / 6.1 V= .007 / 2.5 W= .000003 / 1.6 T= .008 / 12.0 LAT= 0.0 U= .014 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .004 / 9.3 W= .000005 / 3.0 T= .007 / 12.0 LAT= 13.0 U= .013 / 6.1 V= .010 / 8.8 W= .000005 / 3.0 T= .007 / 12.0 LAT= 24.0 U= .013 / 6.1 V= .012 / 8.8 W= .000005 / 3.0 T= .007 / 12.0 LAT= 36.0 U= .013 / 6.1 V= .014 / 9.1 W= .000007 / 1.6 T= .006 / 12.0 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000005 / 3.0 T= .007 / 12.0 LAT= 36.0 U= .013 / 6.1 V= .014 / 9.3 W= .000005 / 3.0 T= .007 / 12.0 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000005 / 3.0 T= .007 / 12.0 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 2.2 T= .007 / 12.0 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .006 / 12.0 LAT= 36.0 U= .012 / 6.5 V= .014 / 9.3 W= .000006 / 1.2 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.6 V= .014 / 9.8 W= .000005 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .010 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 60.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0									
LAT=-54.0 U= .016 / 6.4 V= .017 / 3.4 W= .000003 / 3.5 T= .001 / .1 LAT=-42.0 U= .018 / 6.4 V= .020 / 3.4 W= .000002 / 3.0 T= .001 / .1 LAT=-42.0 U= .019 / 6.4 V= .021 / 3.3 W= .000002 / 1.4 T= .003 / .1 LAT=-36.0 U= .019 / 6.3 V= .021 / 3.2 W= .000003 / .1 T= .004 / .1 LAT=-30.0 U= .018 / 6.2 V= .019 / 3.2 W= .000005 / 11.4 T= .005 / .1 LAT=-24.0 U= .017 / 6.1 V= .016 / 3.0 W= .000006 / 10.9 T= .007 / 12.0 LAT=-18.0 U= .016 / 6.1 V= .011 / 2.8 W= .000005 / 10.6 T= .008 / 12.0 LAT=-12.0 U= .014 / 6.1 V= .001 / 2.5 W= .000003 / 10.1 T= .008 / 12.0 LAT=-6.0 U= .014 / 6.1 V= .002 / 1.4 W= .000003 / 10.1 T= .008 / 12.0 LAT= 0.0 U= .014 / 6.1 V= .002 / 1.4 W= .000003 / 10.1 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 13.0 U= .013 / 6.1 V= .001 / 8.8 W= .000004 / 3.8 T= .008 / 12.0 LAT= 13.0 U= .013 / 6.1 V= .012 / 8.8 W= .000005 / 3.0 T= .007 / 12.0 LAT= 36.0 U= .013 / 6.1 V= .012 / 8.8 W= .000005 / 1.5 T= .007 / 12.0 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000007 / 1.6 T= .006 / 12.0 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .003 / .1 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .004 / .1 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .003 / .1 LAT= 54.0 U= .012 / 6.5 V= .014 / 9.5 W= .000003 / 2.1 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.8 V= .014 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .010 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 60.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 60.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 60.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 60.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .008 / 9.8 W= .0000002 / 3.3 T= .0000 / 12.0 LAT= 72.0 U= .007 /									
LAT=-48.0 U= .018 / 6.4 V= .020 / 3.4 W= .000002 / 3.0 T= .001 / .1 LAT=-42.0 U= .019 / 6.4 V= .021 / 3.3 W= .000002 / 1.4 T= .003 / .1 LAT=-36.0 U= .019 / 6.3 V= .021 / 3.2 W= .000003 / .1 T= .004 / .1 LAT=-30.0 U= .018 / 6.2 V= .019 / 3.2 W= .000005 / 11.4 T= .005 / .1 LAT=-24.0 U= .017 / 6.1 V= .016 / 3.0 W= .000005 / 11.4 T= .005 / .1 LAT=-18.0 U= .016 / 6.1 V= .011 / 2.8 W= .000005 / 10.6 T= .008 / 12.0 LAT=-12.0 U= .014 / 6.1 V= .0017 / 2.5 W= .000003 / 10.1 T= .008 / 12.0 LAT= -6.0 U= .014 / 6.1 V= .002 / 1.4 W= .000001 / 7.4 T= .008 / 12.0 LAT= 0.0 U= .014 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 0.0 U= .013 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .007 / 8.8 W= .000005 / 3.0 T= .007 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .010 / 8.8 W= .000005 / 3.0 T= .007 / 12.0 LAT= 24.0 U= .013 / 6.1 V= .012 / 8.8 W= .000005 / 3.0 T= .007 / 12.0 LAT= 30.0 U= .013 / 6.1 V= .012 / 8.8 W= .000006 / 2.2 T= .007 / 12.0 LAT= 30.0 U= .013 / 6.3 V= .014 / 9.1 W= .000007 / 1.6 T= .006 / 12.0 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .004 / .1 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .004 / .1 LAT= 42.0 U= .013 / 6.5 V= .014 / 9.3 W= .000006 / 1.2 T= .002 / 12.0 LAT= 42.0 U= .012 / 6.5 V= .014 / 9.5 W= .000005 / 1.5 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.8 V= .014 / 9.8 W= .000003 / 2.1 T= .002 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .010 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0		_							
LAT=-42.0 U= .019 / 6.4 V= .021 / 3.3 W= .000002 / 1.4 T= .003 / .1 LAT=-36.0 U= .019 / 6.3 V= .021 / 3.2 W= .000003 / .1 T= .004 / .1 LAT=-30.0 U= .018 / 6.2 V= .019 / 3.2 W= .000003 / .1 T= .004 / .1 LAT=-24.0 U= .017 / 6.1 V= .016 / 3.0 W= .000006 / 10.9 T= .007 / 12.0 LAT=-18.0 U= .016 / 6.1 V= .011 / 2.8 W= .000005 / 10.6 T= .008 / 12.0 LAT=-12.0 U= .014 / 6.1 V= .007 / 2.5 W= .000003 / 10.1 T= .008 / 12.0 LAT= -6.0 U= .014 / 6.1 V= .002 / 1.4 W= .000001 / 7.4 T= .008 / 12.0 LAT= 0.0 U= .014 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 0.0 U= .014 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .007 / 8.8 W= .000004 / 3.8 T= .008 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .010 / 8.8 W= .000005 / 3.0 T= .007 / 12.0 LAT= 30.0 U= .013 / 6.1 V= .012 / 8.8 W= .000006 / 2.2 T= .007 / 12.0 LAT= 36.0 U= .013 / 6.3 V= .014 / 9.1 W= .000007 / 1.6 T= .006 / 12.0 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .004 / .1 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .004 / .1 LAT= 42.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .004 / .1 LAT= 36.0 U= .012 / 6.5 V= .014 / 9.3 W= .000006 / 1.2 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.5 V= .014 / 9.5 W= .000003 / 2.1 T= .002 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .010 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0		_							
LAT=-36.0 U= .019 / 6.3 V= .021 / 3.2 W= .000003 / .1 T= .004 / .1 LAT=-30.0 U= .018 / 6.2 V= .019 / 3.2 W= .000005 / 11.4 T= .005 / .1 LAT=-24.0 U= .017 / 6.1 V= .016 / 3.0 W= .000006 / 10.9 T= .007 / 12.0 LAT=-18.0 U= .016 / 6.1 V= .011 / 2.8 W= .000005 / 10.6 T= .008 / 12.0 LAT=-12.0 U= .014 / 6.1 V= .0011 / 2.5 W= .000003 / 10.1 T= .008 / 12.0 LAT= 6.0 U= .014 / 6.1 V= .002 / 1.4 W= .000003 / 10.1 T= .008 / 12.0 LAT= 6.0 U= .014 / 6.1 V= .002 / 1.4 W= .000003 / 4.6 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .007 / 8.8 W= .000004 / 3.8 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .010 / 8.8 W= .000004 / 3.8 T= .008 / 12.0 LAT= 13.0 U= .013 / 6.1 V= .012 / 8.8 W= .000006 / 2.2 T= .007 / 12.0 LAT= 30.0 U= .013 / 6.3 V= .014 / 9.3 W= .000006 / 2.2 T= .007 / 12.0 LAT= 36.0 U= .013 / 6.3 V= .014 / 9.3 W= .000006 / 1.2 T= .004 / .1 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .003 / .1 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .003 / .1 LAT= 42.0 U= .012 / 6.5 V= .014 / 9.5 W= .000005 / 1.5 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.8 V= .014 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 54.0 U= .012 / 6.8 V= .012 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 72.0 U		-		-					
LAT=-30.0 U= .018 / 6.2 V= .019 / 3.2 W= .000005 / 11.4 T= .005 / .1 LAT=-24.0 U= .017 / 6.1 V= .016 / 3.0 W= .000006 / 10.9 T= .007 / 12.0 LAT=-18.0 U= .016 / 6.1 V= .0011 / 2.8 W= .000005 / 10.6 T= .008 / 12.0 LAT=-12.0 U= .014 / 6.1 V= .007 / 2.5 W= .000003 / 10.1 T= .008 / 12.0 LAT= -6.0 U= .014 / 6.1 V= .002 / 1.4 W= .000001 / 7.4 T= .008 / 12.0 LAT= 0.0 U= .014 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 6.0 U= .013 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .007 / 8.8 W= .000004 / 3.8 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .010 / 8.8 W= .000005 / 3.0 T= .007 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .010 / 8.8 W= .000005 / 3.0 T= .007 / 12.0 LAT= 24.0 U= .013 / 6.1 V= .012 / 8.8 W= .000006 / 2.2 T= .007 / 12.0 LAT= 30.0 U= .013 / 6.3 V= .014 / 9.1 W= .000007 / 1.6 T= .006 / 12.0 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .004 / .1 LAT= 36.0 U= .013 / 6.5 V= .014 / 9.3 W= .000006 / 1.2 T= .003 / .1 LAT= 42.0 U= .012 / 6.5 V= .014 / 9.3 W= .000005 / 1.5 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.5 V= .014 / 9.5 W= .000003 / 2.1 T= .002 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .010 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .000 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0									
LAT=-24.0 U= .017 / 6.1 V= .016 / 3.0 W= .000006 / 10.9 T= .007 / 12.0 LAT=-18.0 U= .016 / 6.1 V= .011 / 2.8 W= .000005 / 10.6 T= .008 / 12.0 LAT=-12.0 U= .014 / 6.1 V= .007 / 2.5 W= .000003 / 10.1 T= .008 / 12.0 LAT= -6.0 U= .014 / 6.1 V= .002 / 1.4 W= .000001 / 7.4 T= .008 / 12.0 LAT= 0.0 U= .014 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 0.0 U= .013 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .007 / 8.8 W= .000004 / 3.8 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .010 / 8.8 W= .000005 / 3.0 T= .007 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .010 / 8.8 W= .000005 / 3.0 T= .007 / 12.0 LAT= 24.0 U= .013 / 6.1 V= .012 / 8.8 W= .000006 / 2.2 T= .007 / 12.0 LAT= 30.0 U= .013 / 6.3 V= .014 / 9.1 W= .000007 / 1.6 T= .006 / 12.0 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .004 / .1 LAT= 36.0 U= .012 / 6.5 V= .014 / 9.3 W= .000006 / 1.2 T= .003 / .1 LAT= 42.0 U= .012 / 6.5 V= .014 / 9.5 W= .000005 / 1.5 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.8 V= .014 / 9.8 W= .000003 / 2.1 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.8 V= .012 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .008 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .008 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .008 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .008 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .008 / 9.8 W= .0000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .008 / 9.8 W= .0000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .008 / 9.8 W= .0000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .008 / 9.8 W= .0000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .008 / 9.8 W= .0000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .008 / 9.8 W= .0000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .008 / 9.8 W= .0000001 / 11.3 T= .00000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .008 / 9.8 W= .0000001 / 11.3 T= .									
LAT=-18.0 U= .016 / 6.1 V= .011 / 2.8 W= .000005 / 10.6 T= .008 / 12.0 LAT=-12.0 U= .014 / 6.1 V= .007 / 2.5 W= .000003 / 10.1 T= .008 / 12.0 LAT=-6.0 U= .014 / 6.1 V= .002 / 1.4 W= .000001 / 7.4 T= .008 / 12.0 LAT= 0.0 U= .014 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 6.0 U= .013 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .007 / 8.8 W= .000004 / 3.8 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .010 / 8.8 W= .000005 / 3.0 T= .007 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .012 / 8.8 W= .000006 / 2.2 T= .007 / 12.0 LAT= 24.0 U= .013 / 6.1 V= .012 / 8.8 W= .000007 / 1.6 T= .006 / 12.0 LAT= 30.0 U= .013 / 6.3 V= .014 / 9.3 W= .000007 / 1.6 T= .006 / 12.0 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000007 / 1.3 T= .004 / .1 LAT= 36.0 U= .012 / 6.5 V= .014 / 9.3 W= .000006 / 1.2 T= .003 / .1 LAT= 42.0 U= .012 / 6.5 V= .014 / 9.5 W= .000005 / 1.5 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.8 V= .014 / 9.8 W= .000003 / 2.1 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.8 V= .012 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .010 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .008 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .008 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0									
LAT=-12.0 U= .014 / 6.1 V= .007 / 2.5 W= .000003 / 10.1 T= .008 / 12.0 LAT= -6.0 U= .014 / 6.1 V= .002 / 1.4 W= .000001 / 7.4 T= .008 / 12.0 LAT= 6.0 U= .014 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 6.0 U= .013 / 6.1 V= .007 / 8.8 W= .000004 / 3.8 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .010 / 8.8 W= .000005 / 3.0 T= .007 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .012 / 8.8 W= .000006 / 2.2 T= .007 / 12.0 LAT= 24.0 U= .013 / 6.1 V= .012 / 8.8 W= .000006 / 2.2 T= .007 / 12.0 LAT= 30.0 U= .013 / 6.3 V= .014 / 9.1 W= .000007 / 1.6 T= .006 / 12.0 LAT= 36.0 U= .013 / 6.3 V= .014 / 9.1 W= .000007 / 1.3 T= .004 / .1 LAT= 36.0 U= .013 / 6.5 V= .014 / 9.3 W= .000006 / 1.2 T= .003 / .1 LAT= 48.0 U= .012 / 6.5 V= .014 / 9.5 W= .000005 / 1.5 T= .002 / 12.0 LAT= 48.0 U= .012 / 6.8 V= .014 / 9.8 W= .000003 / 2.1 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.8 V= .012 / 9.8 W= .000003 / 2.8 T= .001 / .1 LAT= 66.0 U= .007 / 6.9 V= .0010 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .0000001 / 11.3 T= .00000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .0000001 / 11.3 T= .0		-							
LATE -6.0 U= .014 / 6.1 V= .002 / 1.4 W= .00001 / 7.4 T= .008 / 12.0 LAT= 6.0 U= .014 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 6.0 U= .013 / 6.1 V= .007 / 8.8 W= .000004 / 3.8 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .010 / 8.8 W= .000005 / 3.0 T= .007 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .010 / 8.8 W= .000006 / 2.2 T= .007 / 12.0 LAT= 24.0 U= .013 / 6.1 V= .013 / 8.9 W= .000007 / 1.6 T= .006 / 12.0 LAT= 30.0 U= .013 / 6.3 V= .014 / 9.1 W= .000007 / 1.3 T= .004 / .1 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .004 / .1 LAT= 42.0 U= .012 / 6.5 V= .014 / 9.3 W= .000006 / 1.2 T= .003 / .1 LAT= 48.0 U= .012 / 6.5 V= .014 / 9.5 W= .000005 / 1.5 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.8 V= .012 / 9.8 W= .000003 / 2.1 T= .002 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .010 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .008 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .008 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .008 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .0000001 / 11.3 T= .00000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .0000001 / 11.3 T= .00000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .0000001 / 11.3 T= .									
LAT= 0.0 U= .014 / 6.1 V= .004 / 9.3 W= .000003 / 4.6 T= .008 / 12.0 LAT= 6.0 U= .013 / 6.1 V= .007 / 8.8 W= .000004 / 3.8 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .010 / 8.8 W= .000005 / 3.0 T= .007 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .012 / 8.8 W= .00006 / 2.2 T= .007 / 12.0 LAT= 24.0 U= .013 / 6.1 V= .012 / 8.8 W= .000007 / 1.6 T= .006 / 12.0 LAT= 30.0 U= .013 / 6.3 V= .014 / 9.1 W= .00007 / 1.6 T= .006 / 12.0 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000007 / 1.3 T= .004 / .1 LAT= 36.0 U= .013 / 6.5 V= .014 / 9.3 W= .000006 / 1.2 T= .003 / .1 LAT= 42.0 U= .012 / 6.5 V= .014 / 9.5 W= .000005 / 1.5 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.6 V= .012 / 9.8 W= .000003 / 2.1 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.8 V= .012 / 9.8 W= .000003 / 2.8 T= .001 / .1 LAT= 66.0 U= .009 / 6.9 V= .010 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .008 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .008 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0		_						-	
LAT= 6.0 U= .013 / 6.1 V= .007 / 8.8 W= .000004 / 3.8 T= .008 / 12.0 LAT= 12.0 U= .013 / 6.1 V= .010 / 8.8 W= .000005 / 3.0 T= .007 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .012 / 8.8 W= .000006 / 2.2 T= .007 / 12.0 LAT= 24.0 U= .013 / 6.1 V= .013 / 8.9 W= .000007 / 1.6 T= .006 / 12.0 LAT= 30.0 U= .013 / 6.3 V= .014 / 9.1 W= .000007 / 1.3 T= .004 / .1 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .003 / .1 LAT= 42.0 U= .012 / 6.5 V= .014 / 9.5 W= .000005 / 1.5 T= .002 / 12.0 LAT= 48.0 U= .012 / 6.7 V= .013 / 9.6 W= .000003 / 2.1 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.8 V= .014 / 9.8 W= .000003 / 2.1 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.8 V= .012 / 9.8 W= .000003 / 2.8 T= .001 / .1 LAT= 66.0 U= .007 / 6.9 V= .000 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0									
LAT= 12.0 U= .013 / 6.1 V= .010 / 8.8 W= .000005 / 3.0 T= .007 / 12.0 LAT= 18.0 U= .013 / 6.1 V= .012 / 8.8 W= .000006 / 2.2 T= .007 / 12.0 LAT= 24.0 U= .013 / 6.1 V= .013 / 8.9 W= .000007 / 1.6 T= .006 / 12.0 LAT= 30.0 U= .013 / 6.3 V= .014 / 9.1 W= .000007 / 1.3 T= .004 / .1 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .004 / .1 LAT= 42.0 U= .012 / 6.5 V= .014 / 9.5 W= .000005 / 1.5 T= .002 / 12.0 LAT= 48.0 U= .012 / 6.7 V= .013 / 9.6 W= .000005 / 1.5 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.8 V= .012 / 9.8 W= .000003 / 2.1 T= .002 / 12.0 LAT= 60.0 U= .007 / 6.9 V= .010 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0									
LAT= 18.0 U= .013 / 6.1 V= .012 / 8.8 W= .000006 / 2.2 T= .007 / 12.0 LAT= 24.0 U= .013 / 6.1 V= .013 / 8.9 W= .000007 / 1.6 T= .006 / 12.0 LAT= 30.0 U= .013 / 6.3 V= .014 / 9.1 W= .000007 / 1.3 T= .004 / .1 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .003 / .1 LAT= 42.0 U= .012 / 6.5 V= .014 / 9.5 W= .000006 / 1.5 T= .002 / 12.0 LAT= 48.0 U= .012 / 6.7 V= .013 / 9.6 W= .000005 / 1.5 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.8 V= .012 / 9.8 W= .000003 / 2.1 T= .002 / 12.0 LAT= 60.0 U= .009 / 6.9 V= .010 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0		_							
LAT= 24.0 U= .013 / 6.1 V= .013 / 8.9 W= .000007 / 1.6 T= .006 / 12.0 LAT= 30.0 U= .013 / 6.3 V= .014 / 9.1 W= .000007 / 1.3 T= .004 / .1 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .003 / .1 LAT= 42.0 U= .012 / 6.5 V= .014 / 9.3 W= .000006 / 1.5 T= .002 / 12.0 LAT= 48.0 U= .012 / 6.7 V= .013 / 9.6 W= .000003 / 2.1 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.8 V= .012 / 9.8 W= .000003 / 2.8 T= .001 / .1 LAT= 66.0 U= .009 / 6.9 V= .010 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0									
LAT= 30.0 U= .013 / 6.3 V= .014 / 9.1 W= .000007 / 1.3 T= .004 / .1 LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000006 / 1.2 T= .003 / .1 LAT= 42.0 U= .012 / 6.5 V= .014 / 9.5 W= .000005 / 1.5 T= .002 / 12.0 LAT= 48.0 U= .012 / 6.7 V= .013 / 9.6 W= .000003 / 2.1 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.8 V= .012 / 9.8 W= .000003 / 2.1 T= .002 / 12.0 LAT= 60.0 U= .007 / 6.9 V= .010 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0									
LAT= 36.0 U= .013 / 6.4 V= .014 / 9.3 W= .000066 / 1.2 T= .003 / .1 LAT= 42.0 U= .012 / 6.5 V= .014 / 9.5 W= .000005 / 1.5 T= .002 / 12.0 LAT= 48.0 U= .012 / 6.7 V= .013 / 9.6 W= .000003 / 2.1 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.8 V= .012 / 9.8 W= .000003 / 2.8 T= .001 / .1 LAT= 60.0 U= .009 / 6.9 V= .010 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0		-		-					
LAT= 42.0 U= .012 / 6.5 V= .014 / 9.5 W= .000005 / 1.5 T= .002 / 12.0 LAT= 48.0 U= .012 / 6.7 V= .013 / 9.6 W= .000003 / 2.1 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.8 V= .012 / 9.8 W= .000003 / 2.8 T= .001 / .1 LAT= 60.0 U= .009 / 6.9 V= .010 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0		-		-					
LAT= 48.0 U= .012 / 6.7 V= .013 / 9.6 W= .000003 / 2.1 T= .002 / 12.0 LAT= 54.0 U= .012 / 6.8 V= .012 / 9.8 W= .000003 / 2.8 T= .001 / .1 LAT= 60.0 U= .009 / 6.9 V= .010 / 9.8 W= .000002 / 3.3 T= .0000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.2 T= .0000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= .0000 / 12.0									
LAT= 54.0 U= .012 / 6.8 V= .012 / 9.8 W= .00003 / 2.8 T= .001 / .1 LAT= 60.0 U= .009 / 6.9 V= .010 / 9.8 W= .00002 / 3.3 T= 0.000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .00002 / 3.2 T= 0.000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= 0.000 / 12.0					· · · · · · · · · · · · · · · · · · ·				
LAT= 60.0 U= .009 / 6.9 V= .010 / 9.8 W= .000002 / 3.3 T= 0.000 / 12.0 LAT= 66.0 U= .007 / 6.9 V= .008 / 9.8 W= .000002 / 3.2 T= 0.000 / 12.0 LAT= 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= 0.000 / 12.0									
LAT = 66.0 U= .007 / 6.9 V = .008 / 9.8 W= .000002 / 3.2 T= 0.000 / 12.0 LAT = 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= 0.000 / 12.0									
LAT = 72.0 U= .007 / 6.7 V= .005 / 9.8 W= .000001 / 11.3 T= 0.000 / 12.0									
	LAI- 10.0	0-	.005 / 0.7	v -	.000 / 3.0	m0000	03 / 10.5	, -	000 / 12.0

Table B6. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 4.161	V 14							
		/						
LAT=-78.0	U= U=	.006 / 6.6	V=	.006 / 3.6	W =	.000002 / 11.2	Ţ×	0.000 / 12.0
LAT=-72.0 LAT=-66.0	U=	.010 / 6.5 .013 / 6.5	V= V=	.0.0 / 3.5	W#	.000001 / 2.0	T=	0.000 / 12.0
LAT=-60.0	U=	.015 / 6.5	V=	.013 / 3.4 .016 / 3.5	W=	.000002 / 3.0 .000003 / 2.9	7=	0.000 / .3
LAT=-54.0	U=	.017 / 6.4	V=	.018 / 3.4	W=	.000003 / 2.9 .000004 / 2.5	T=	.001 / .3
LAT=-48.0	U=	.019 / 6.4	V=	.020 / 3.3	W=	.000004 / 1.7	†=	.002 / .2
LAT=-42.0	Ū≖	.020 / 6.4	٧×	.022 / 3.2	W=	.000006 / .7	Ť=	.003 / .1
LAT=-36.0	Ü=	.020 / 6.3	٧×	.022 / 3.1	W=	.000008 / 11.9	Τ×	.004 / .1
LAT=-30.0	U≖	.019 / 6.2	V×	.020 / 3.1	W=	.000010 / 11.3	T=	.006 / .1
LAT=-24.0	U=	.018 / 6.1	۷±	.016 / 3.0	W=	.000011 / 10.8	T =	.007 / .1
LAT=-18.0	Ų=	.017 / 6.1	V =	.012 / 2.8	W=	.000009 / 10.3	T=	.008 / .1
LAT=-12.0	U=	.015 / 6.1	V =	.007 / 2.7	W=	.000006 / 9.5	T =	.008 / .1
LAT= -6.0	U=	.015 / 6.1	V۵	.002 / 2.0	W =	.000004 / 7.3	T =	.009 / .1
LAT= 0.0	U=	.014 / 6.1	V=	.004 / 9.1	W=	.000006 / 5.0	T=	.009 / .1
LAT= 6.0	U=	.014 / 6.1	V=	.008 / 8.9	W =	.000009 / 4.1	T=	.008 / .1
LAT= 12.0	U=	.014 / 6.1	V=	.011 / 8.9	W=	.000012 / 3.1	T=	.007 / .1
LAT= 18.0	U=	.014 / 6.1	٧×	.013 / 8.9	W=	.000014 / 2.4	T=	.007 / .1
LAT= 24.0	U≖ U≖	.013 / 6.2	٧×	.014 / 8.9	W=	.000015 / 1.9	Ť=	.006 / .1
LAT# 30.0 LAT# 36.0	U=	.013 / 6.3	V= V=	.014 / 9.1 .014 / 9.2	W=	.000016 / 1.6	T =	.005 / .1
LAT= 42.0	U≖	.013 / 6.4 .012 / 6.5	V=		W= W=	.000015 / 1.4	T= T=	.003 / .1
LAT= 48.0	U≃	.012 / 6.7	V=	.013 / 9.5 .013 / 9.7	M=	.000012 / 1.4 .000008 / 1.5	T=	.002 / 12.0
LAT= 54.0	Ú=	.012 / 6.8	V=	.012 / 9.8	W=	.000008 / 1.8	T=	.002 / 11.9
LAT= 60.0	U=	.009 / 7.0	V=	.010 / 9.9	W=	.000003 / 2.4	T=	0.000 / 12.0
LAT= 66.0	Ü=	.008 / 7.0	V=	.008 / 10.0	W=	.000003 / 2.9	7-	0.000 / 12.0
LAT= 72.0	U=	-007 / 6.9	V=	.006 / 10.0	W=	.000001 / 11.7	÷=	0.000 / 12.0
LAT= 78.0	U≖	.005 / 6.9	V =	.004 / 10.0	W=	.000003 / 10.2	T=	0.000 / 12.0
Z= 9.525	KM							
LAT=-78.0	U=	.010 / 6.4	V =	.009 / 3.4	W=	.000002 / .5	T=	0.000 / 12.0
LAT=-72.0	U≠	.014 / 6.4	V =	.015 / 3.4	W=	.000002 / 12.0	T=	0.000 / 12.0
LAT=-66.0	U×	.018 / 6.4	V=	.019 / 3.3	M=	.000003 / 11.4	T =	0.000 / 11.9
LAT=-60.0	U≠	.021 / 6.4	V =	.022 / 3.3	W=	.000006 / .1	T=	.001 / 11.9
LAT=-54.0	U=	.023 / 6.3	V =	.025 / 3.3	W =	.000010 / 11.9	T =	.002 / 11.8
LAT=-48.0	U=	.023 / 6.2	V =	.026 / 3.2	M =	.000015 / 11.8	T =	.002 / 11.8
LAT=-42.0	U≖	.023 / 6.2	V=	.026 / 3.1	₩≠	.000020 / 11.7	T=	.004 / 11.9
LAT=-36.0	U≄ U≠	.023 / 6.2	V =	.023 / 3.1	W±	.000024 / 11.5	T =	.005 / 11.9
LAT=-30.0 LAT=-24.0	U=	.021 / 6.1	V =	.021 / 3.1	M=	.000025 / 11.4	T =	.006 / 11.9
LAT=-18.0	U=	.019 / 6.1 .018 / 6.1	V ≠ V ≠	.017 / 3.0	W=	.000022 / 11.0	Ta	.008 / 11.9
LAT==12.0	U≖	.016 / 6.1	V=	.012 / 3.0 .008 / 3.0	₩= W=	.000016 / 10.4 .000008 / 9.2	T≠ T≠	.009 / 12.0
LAT= -6.0	U=	.016 / 6.1	V=	.003 / 3.0	W=	.000008 / 9.2 .000008 / 6.0	T=	.009 / .1
LAT= 0.0	U=	.015 / 6.1	V∓ V≄	.003 / 3.0	w- ₩=	.000019 / 4.5	T z	.009 / .1 .010 / .2
LAT= 6.0	U=	.015 / 6.1	٧×	.002 / 8.9	W=	.000019 / 4.5	T=	.009 / .2
LAT= 12.0	U=	.015 / 6.1	٧×	.011 / 9.0	W=	.000040 / 3.2	7 =	.009 / .1
LAT= 18.0	Ü=	.015 / 6.1	V =	.014 / 9.0	W=	.000047 / 2.7	T=	.009 / 12.0
LAT= 24.0	Ū=	.016 / 6.2	V =	.015 / 9.1	W =	.000053 / 2.3	Ť=	.008 / 11.9
LAT= 30.0	Ü=	.016 / 6.2	V =	.017 / 9.1	W=	.000052 / 2.0	T=	.007 / 11.9
LAT= 36.0	Ū=	.016 / 6.3	V =	.017 / 9.2	w=	.000046 / 1.7	T=	.005 / 11.8
LAT= 42.0	Ū=	.015 / 6.3	V =	.016 / 9.2	w=	.000037 / 1.5	T=	.004 / 11.6
	U=	.015 / 6.3	V =	.016 / 9.3	W =	.000027 / 1.3	T=	.002 / 11.5
LAT= 48.0		.015 / 6.4	V =	,015 / 9.4	W=	.000018 / 1.1	Ť=	.002 / 11.5
LAT= 48.0 LAT= 54.0	U =	1013 / 011						
	U=	.012 / 6.5	V =	.013 / 9.5	W=	.000010 / .9	T=	.001 / 11.1
LAT= 54.0					W=	.000010 / .9	T = T =	
LAT= 54.0 LAT= 60.0	U=	012 / 6.5	V ≠	.013 / 9.5				.001 / 11.1

Table B6. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From $78^{\rm O}{\rm S}$ to $78^{\rm O}{\rm N}$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 14.879	KM						<u>-</u>	
LAT=-78.0	Ŭ≠	.010 / 6.0	V =	.010 / 3.0	W=	.000003 / .3	T=	0.000 / 12.0
LAT=-72.0	U=	.016 / 6.0	V =	.016 / 2.9	W=	.000005 / 11.1	T=	0.000 / 12.0
LAT=-66.0	U=	.021 / 6.0	V =	.021 / 3.0	W =	.000010 / 10.5	T=	0.000 / 10.6
LAT=-60.0	U=	.025 / 6.0	V =	.026 / 3.0	W=	.000016 / 11.0	T=	.001 / 10.6
LAT=-54.0	U=	.028 / 6.0	V =	.030 / 3.0	W=	.000026 / 11.0	T≖	.002 / 10.7
LAT=-48.0	U=	.030 / 6.0	V =	.033 / 3.0	W=	.000038 / 11.0	1 ≠	.002 / 10.8
LAT=-42.0	U=	.030 / 6.0	V =	.033 / 3.0	W =	.000047 / 11.1	T =	.004 / 11.0
LAT=-36.0	U= ⊍=	.029 / 6.0	V=	.030 / 3.0	W =	.000053 / 11.1	T =	.005 / 11.2
LAT=-30.0	U≠	.026 / 6.0 .024 / 6.1	V= V=	.026 / 3.1	W=	.000052 / 11.1	T =	.007 / 11.4
LAT=-18.0	U=	.024 / 6.1	V =	.020 / 3.0 .014 / 3.2	₩≠	.000040 / 11.1	1=	.008 / 11.6
LAT=-12.0	Ŭ=	.020 / 6.1	V =	.008 / 3.4	₩= W=	.000020 / 11.1 .000006 / 3.3	T= T=	.009 / 11.9
LAT= -6.0	Ŭ=	.020 / 6.2	V=	.004 / 3.7	w- W=	.000008 / 3.3	T=	.011 / .1
LAT= 0.0	U=	.019 / 6.2	٧×	.001 / 7.4	W=	.000061 / 3.9	1=	.012 / .2
LAT= 6.0	U=	019 / 6.2	V =	.005 / 9.1	w=	.000083 / 3.4	T=	.015 / .2
LAT= 12.0	U=	.019 / 6.2	V =	.009 / 9.3	W=	.000102 / 3.1	T=	.015 / .1
LAT= 18.0	U=	.021 / 6.2	V =	.015 / 9.3	w=	.000113 / 2.8	T=	.015 / 12.0
LAT= 24.0	U=	.022 / 6.1	V =	.020 / 9.3	w=	.000117 / 2.4	T =	.014 / 11.8
LAT= 30.0	U=	.024 / 6.1	V =	.025 / 9.2	W=	.000112 / 2.2	T=	.012 / 11.7
LAT = 36.0	U=	.025 / 6.0	V =	.028 / 9.1	W =	.000097 / 1.9	T=	.010 / 11.5
LAT= 42.0	ປ≃ ປ=	.025 / 6.0	V =	.028 / 9.0	W =	.000076 / 1.7	T =	.007 / 11.3
LAT= 48.0 LAT= 54.0	U≖	.024 / 5.9	V=	.026 / 8.9	₩=	.000055 / 1.5	Ţ=	.005 / 11.2
LAT= 54.0	U=	.022 / 5.8 .018 / 5.7	V =	.023 / 8.9	W≔	.000034 / 1.3	T=	.004 / 11.1
LAT= 66.0	U=	.016 / 5.8	V = V =	.020 / 8.8 .016 / 8.8	W =	.000018 / 1.0	T =	.002 / 10.8
LAT = 72.0	Ü=	.012 / 5.7	V=	.016 / 8.8 .011 / 8.7	W =	.000016 / 2.0	T= T=	.001 / 11.2
LAT= 78.0	U=	.008 / 5.6	V =	.007 / 8.6	W=	.000006 / 11.0 .000009 / 9.6	T=	0.000 / 11.4 0.000 / 5.4
Z= 20.239	KM							
LAT=-78.0	U=	.015 / 5.2	V =	.013 / 2.3	W=	.000005 / 11.6	T≖	.001 / 9.4
LAT=-72.0	U=	.021 / 5.2	V =	.021 / 2.3	w=	.000010 / 10.8	Te	.001 / 9.0
LA1=-66.0	U≖	.027 / 5.2	V =	.029 / 2.3	W=	.000019 / 10.3	T=	.001 / 8.2
LAT=-60.0	U=	.033 / 5.2	V =	.035 / 2.3	₩=	.000030 / 10.5	Ť =	.002 / 8.7
LAT=-54.0	U=	.037 / 5.3	V =	.040 / 2.3	W=	.000050 / 10.4	T =	.004 / 8.8
LAT = -48.0	U≖	.039 / 5.4	V =	.043 / 2.4	W=	.000070 / 10.4	T =	.005 / 8.8
LAT=-42.0 LAT=-36.0	ນ≖ ∪≃	.039 / 5.5	V=	.043 / 2.5	₩ =	.000086 / 10.5	T =	.006 / 9.0
LAT=-30.0	U≖	.038 / 5.6 .035 / 5.8	V =	.041 / 2.7	W=	.000095 / 10.5	T≖	.007 / 9.4
LAT=-24.0	U=	.033 / 6.0	V = V =	.037 / 3.1 .032 / 3.4	W=	.000088 / 10.5	T =	.007 / 10.1
LAT=-18.0	Ŭ=	.033 / 6.2	V =	.028 / 3.7	₩= ₩=	.000062 / 10.7	T= T=	.009 / 11.0
LAT=-12.0	Ü=	.033 / 6.2	V =	.023 / 3.8	W=	.000024 / 12.0 .000050 / 2.9	1 = T =	.013 / 11.7
LAT= -6.0	Ü=	.033 / 6.2	V =	.016 / 3.8	W=	.000108 / 3.3	T=	.019 / 12.0
LAT= 0.0	U=	.034 / 6.2	V =	.007 / 3.3	W=	.000160 / 3.3	T=	.030 / .3
LAT= 6.0	U=	.035 / 6.2	V =	.006 / 11.6	W =	.000198 / 3.2	T=	.033 / .2
LAT= 12.0	บ≖	.036 / 6.2	V =	.016 / 10.4	W=	.000217 / 3.0	T=	.035 / 12.0
LAT= 18.0	U=	038 / 6.2	V =	.026 / 9.8	W =	.000221 / 2.7	T≠	.034 / 11.9
LAT= 24.0	U=	.042 / 6.1	V =	.036 / 9.4	W =	.000212 / 2.5	T=	.031 / 11.7
LAT = 30.0	U=	.046 / 5.9	V =	.046 / 9.1	W =	.000190 / 2.3	T≠	.027 / 11.6
LAT= 36.0 LAT= 42.0	U≖ U=	.050 / 5.8	V =	.054 / 8.8	W =	.000159 / 2.1	T =	.022 / 11.4
LAT= 42.0	U=	.053 / 5.6	V =	.057 / 8.6	W =	.000124 / 2.0	T =	.017 / 11.2
LAT = 54.0	U= U=	.053 / 5.5 .051 / 5.4	V =	.058 / 8.5	W=	.000089 / 1.9	T =	.011 / 11.1
LAT = 60.0	U=	.043 / 5.3	V = V =	.054 / 8.5 .047 / 8.4	W =	.000056 / 1.7	Ts	.007 / 11.1
LAT= 66.0	U=	.038 / 5.4	V =	.047 / 8.4 .038 / 8.4	W =	.000029 / 1.6 .000031 / 2.4	T≠ T≠	.004 / 10.9
LAT= 72.0	U=	.028 / 5.3	V=	.029 / 8.3	W=	.000031 / 2.4	T=	.003 / 11.4
LAT= 78.0	U=	.018 / 5.2	V =	.019 / 8.3	M=	.000016 / 9.5	T=	.001 / 9.7
							•	130. , 0.0

Table B6. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78° S to 78° N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 25.607	KM							
LAT=-78.0	U=	.020 / 3.9	۷±	.018 / .8	W=	.000004 / 9.4	t T=	.001 / 7.8
LAT=-72.0	Ü=	.029 / 3.9	V=	.028 / .9	₩≠	.000014 / 9.4		.001 / 7.3
LAT=-66.0	ย์จ	.036 / 3.9	v =	.036 / 1.0	W=	.000028 / 9.3		.002 / 6.9
LAT=-60.0	Ŭ≖	.041 / 4.0	V=	.043 / 1.1	W=	.000040 / 9.3		.003 / 7.1
LAT=-54.0	Ū≖	.045 / 4.2	v =	.047 / 1.3	W=	.000068 / 9.3		.005 / 7.1
LAT=-48.0	U=	.045 / 4.5	V =	.049 / 1.6	W=	.000092 / 9.3		.007 / 7.1
LAT=-42.0	Ú≖	.046 / 4.9	V =	.051 / 2.0	W=	.000109 / 9.3		.007 / 7.3
LAT=-36.0	Ú≖	.048 / 5.3	V =	.055 / 2.6	w=	.000115 / 9.3		.006 / 7.9
LAT=-30.0	U=	.052 / 5.7	V =	.061 / 3.1	W=	.000096 / 9.5	5 T*	.005 / 9.1
AT=-24.0	U=	.056 / 6.0	V =	.067 / 3.4	W=	.000051 / 10.0) T=	.011 / 11.:
AT=-18.0	U=	.060 / 6.2	V =	.068 / 3.6	W=	.000045 / 1.6	5 T =	.022 / 11.
AT=-12.0	U≖	.062 / 6.2	V =	.062 / 3.7	W=	.000129 / 2.5	5 T≈	.034 / 11.
AT= ~6.0	U=	.062 / 6.2	V =	.047 / 3.5	W=	.000225 / 2.3	7 T=	.047 / 11.
AT= 0.0	U=	.064 / 6.2	V =	.026 / 3.0	W=	.000308 / 2.8	3 T=	.057 / 12.
AT= 6.0	U=	.066 / 6.1	V=	.013 / .4	W=	.000362 / 2.8	3 T=	.064 / 12.
AT= 12.0	U=	.070 / 6.1	V =	.030 / 10.4	W=	.000381 / 2.8	3 T=	.065 / 11.
AT= 18.0	U≖	.076 / 6.1	Vع	.051 / 9.8	W=	.000369 / 2.8	3 T≖	.062 / 11.
AT= 24.0	Ų≠	.082 / 6.1	V =	.071 / 9.4	W=	.000330 / 2.8	3 T*	.055 / 11.
AT= 30.0	U=	.089 / 5.8	V =	.088 / 9.1	W=	.000274 / 2.8		.045 / 11.
AT= 36.0	U=	.096 / 5.7	V =	.102 / 8.8	W=	.000213 / 2.7	7 T=	.035 / 11.
AT= 42.0	U=	.100 / 5.5	V =	.109 / 8.6	W=	.000154 / 2.7	7 T=	.024 / 11.
AT= 48.0	U=	.102 / 5.4	V =	.111 / 8.4	W≔	.000104 / 2.6		.016 / 11.
AT= 54.0	U=	.099 / 5.3	V×	.106 / 8.4	W=	.000063 / 2.5	5 T=	.010 / 11.
AT= 60.0	U≖	.088 / 5.2	V×	.095 / 8.3	W=	.000029 / 2.4	T=	.004 / 11.
AT= 66.0	U=	.080 / 5.3	V ≖	.078 / 8.3	W=	.000040 / 2.7	7 T#	.004 / 11.
AT= 72.0	U=	.058 / 5.2	٧×	.059 / B.3	W=	.000005 / 11.1		.001 / 10.
AT= 78.0	U=	.037 / 5.1	V =	.041 / 8.3	W =	.000022 / 9.3		.002 / 6.
7= 30.985	KM							
AT=-78.0	U=	.018 / 2.7	1.0	.017 / 11.6	W=	.000014 / 6.8	3 T±	.001 / 3.8
AT=-72.0	U≈	.025 / 2.6	V =	.025 / 11.7	w=	.000025 / 6.9) T≠	.003 / 4.
AT=-66.0	U=	.030 / 2.6	V =	.030 / 11.8	W=	.000037 / 7.0) T=	.003 / 4.
AT=-60.0	U=	.032 / 3.0	V ±	.034 / .1	W=	.000058 / 6.8		.005 / 3.
AT=-54.0	U≠	.034 / 3.5	V ≖	.036 / .5	w=	.000090 / 7.0		.007 / 4.
AT=-48.0	Ú=	.035 / 4.3	V =	.041 / 1.3	w=	.000119 / 7.0		.009 / 3.
AT=-42.0	U=	.045 / 5.0	V =	053 / 2.0	W=	.000134 / 7.0	, T=	.009 / 3.
AT=-36.0	Ū=	.061 / 5.4	V =	.074 / 2.6	W=	.000131 / 6.8		.009 / 2.
AT=-30.0	Ū=	.078 / 5.7	V=	.099 / 3.0	W=	.000097 / 6.6		.011 / 1.
AT=-24.0	U≃	.093 / 5.9	V =	.120 / 3.1	w=	.000048 / 4.8		.021 / .
AT=-18.0	U=	.103 / 6.0	V =	.131 / 3.2	W=	.000119 / 2.5	T=	.038 / 11.
AT=-12.0	Ü=	.108 / 6.0	٧=	.125 / 3.2	W=	.000239 / 2.2		.056 / 11.
AT= -6.0	Ŭ≃	.111 / 6.0	V =	.101 / 3.1	w =	.000367 / 2.2		.075 / 11.
AT= 0.0	Ü=	.112 / 5.0	V =	.061 / 3.1	W=	.000470 / 2.3		.092 / 11.
AT= 6.0	Ū=	.116 / 6.0	V=	.014 / 1.9	w =	.000531 / 2.4		.101 / 11.
AT= 12.0	Ŭ≃	.123 / 6.0	V =	.043 / 9.7	₩≃	000545 / 2.6		.103 / 11.
AT= 18.0	Ü≠	.132 / 6.0	v =	.090 / 9.3	W=	.000520 / 2.8		.097 / 11.
AT= 24.0	ü=	.143 / 5.9	v =	.130 / 9.1	₩≍	.000463 / 3.0		.085 / 11.
AT= 30.0	Ü=	.153 / 5.8	v =	.158 / 9.0	W =	.000387 / 3.4		.068 / .
AT= 36.0	U=	.160 / 5.8	V =	.174 / 8.9	w=	.000302 / 3.5		.051 / .
AT= 42.0	U=	.162 / 5.7	V =	.179 / 8.7	.v.=	.000302 / 3.3		.034 / .:
AT= 48.0	U-	.159 / 5.6	V =	.175 / 8.6	W =	.000146 / 4.0		.021 /
AT= 54.0	ان∍	.152 / 5.5	V =	.162 / 8.6	W=	.030084 / 4.1		.012 /
AT= 60.0	U=	.132 / 5.4	V =	.143 / 8.5	W =	.000037 / 4.3		.004 /
	U=	.121 / 5.5	V =	.118 / 8.4	w =	.000042 / 3.5		.005 / .:
AT= 66 0				/				
AT= 66.0			V -	089 / 0 4	141 +	0000006 / 6 9	T-	0.000 / 4 1
.AT= 66.0 .AT= 72.0 .AT= 78.0	Ü≢	.085 / 5.3 .053 / 5.2	V ≠ V =	.089 / 8.4 .061 / 8.4	₩ = ₩ =	.000006 / 6.9		0.000 / 4.1

Table B6. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78° S to 78° N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 36.378	XM									
LAT=-78.0	U=		3.7 V=	.013 /	5.7	w=	.000026 /	6.3	T=	.003 / 3.2
LAT=-72.0	U≠		3.8 V=	.019 /		W=	.000045 /	5.8	T=	.005 / 2.9
LAT=-66.0	U≠		3.8 V=	.024 /	5.5	W=	.000066 /	5.3	T=	.006 / 2.3
LAT=-60.0	U≠		3.2 V≖	.029 /	5.0	M=	.000108 /	5.1	T=	.011 / 2.1
LAT=-54.0	U=		.5 V=	.035 /	4.3	M=	.000155 /	5.2	T =	.016 / 2.1
LAT=-48.0	U=		5.7 V=	.050 /	3.6	W=	.000211 /	5.1	T=	.022 / 1.9
LAT=-42.0	บ=		5.3 V=	.075 /	3.1	W=	.000253 /	4.9	T=	.028 / 1.6
LAT=-36.0	U=		.0 V=	.110 /	2.8	W =	.000280 /	4.7	1=	.033 / 1.2
LAT=-30.0	U=		8 V=	.149 /	2.7	₩=	.000282 /	4.3	T=	.041 / .8
LAT=-24.0	U≠		.8 V=	.184 /	2.7	W=	.000274 /	3.7	1=	.052 / .3
LAT=-18.0	U=		.7 V=	.204 /	2.6	M=	.000298 /	2.8	T=	.068 / 11.8
LAT=-12.0	บ= บ=		.7 V=	.200 /	2.7	W=	.000375 /	2.2	T=	.087 / 11.5
LAT= -6.0 LAT= 0.0	U≖		.8 v≠	-171 /	2.B	W=	.000474 /	1.9	Ţ=	.108 / 11.3
LAT= 0.0 LAT= 6.0	U=		. B V=	.114 /	3.1	W=	.000555 /	1.9	Ţ=	.124 / 11.4
LAT= 12.0	U≖		.8 V=	.038 /	3.8	W=	.000595 /	1.9	Ţ=	.134 / 11.4
LAT= 12.0	U=		.8 V≈	.058 /	8.3	₩=	.000595 /	2.2	T=	.135 / 11.6
LAT= 24.0	U=			.138 /	8.7	W=	.000580 /	2.7	T=	.129 / 11.7
LAT= 30.0	U±		.8 V=	.208 /	8.8	W=	.000562 /	3.2	Ţ=	.115 / 11.9
LAT= 36.0	U=		.8 V=	.254 /	8.9	W=	.000537 /	3.6	T=	.097 / .2
LAT= 42.0	U=		5.8 V=	.274 /	9.0	W=	.000489 /	4.0	T=	.076 / .4
LAT= 42.0	U≖		.8 V=	.272 /	9.0	W=	.000415 /	4.2	Ţ=	.055 / .6
LAT = 54.0	U=		.8 V=	.253 /	8.9	W=	.000321 /	4.3	T=	.037 / .8
LAT= 60.0	U=		.7 V=	.221 /	8.9	W=	.000216 /	4.6	Tw	.023 / 1.0
LAT= 66.0	U=		.7 V=	.186 /	8.9	W=	.000125 /	4.7	T=	.010 / 1.5
LAT= 72.0	U≖		.7 V=	.147 /	8.8	W=	.000080 /	4.5	Ţ=	.008 / 1.0
LAT= 72.0	U=		.6 V=	.108 / .074 /	8.7	W=	-000040 /	5.0	T=	.002 / 2.3
Z= 41.789	_	.002 / 3		.0/4/	8.7	W-	.000018 /	5.9	Τ=	.002 / 5.0
LAT=-78.0	U=		.0 V=	.052 /	4.7	w =	.000009 /	6.9	T=	.002 / 3.8
LAT=-72.0	U≠		.9 V≖	.079 /	4.8	W=	.000025 /	4.1	T=	.003 / 1.8
LAT=-66.0	U≠		.8 V=	.103 /	4.7	W=	.000079 /	3.4	T=	.007 / .5
LAT=-60.0	U=		.6 V≠	.124 /	4.5	W=	.000134 /	3.5	T=	.013 / .5
LAT=-54.0	U=		.4 V=	.141 /	4.3	Μ≖	.000200 /	3.5	T=	.020 / .5
LAT=-48.0	U=		.0 V≠	.158 /	4.0	W=	.000301 /	3.4	T =	.033 / .4
LAT=-42.0	U=		.6 V=	.176 /	3.5	W =	.000407 /	3.3	T=	.048 / .3
LAT=-36.0	U=		.2 ∨≠	.201 /	3.1	₩ =	.000507 /	3.3	T=	.065 / .2
LAT=-30.0	U =	.208 / 5	.8 V=	.233 /	2.8			3.3	Ť≢	.082 / .2
						w=	.000584 /	3.3		
LAT=-24.0	U=	.231 / 5	.7 V=	.263 /	2.5	W=	-000614 /	3.1	T=	
LAT=-24.0 LAT=-18.0	U=	.231 / 5 .247 / 5	.6 V=							.098 / 12.0
LAT=-24.0 LAT=-18.0 LAT=-12.0	U= U=	.231 / 5 .247 / 5 .255 / 5	.6 V=	.263 /	2.5	W=	-000614 /	3.1	T =	.098 / 12.0 .113 / 11.8
LAT=-24.0 LAT=-18.0 LAT=-12.0 LAT= -6.0	U = U = U =	.231 / 5 .247 / 5 .255 / 5 .256 / 5	.6 V= .6 V=	.263 / .278 /	2.5 2.4	W= W=	.000614 /	3.1 2.9	T=	.098 / 12.0 .113 / 11.8 .126 / 11.7
LAT=-24.0 LAT=-18.0 LAT=-12.0 LAT= -6.0 LAT= 0.0	U = U = U = U =	.231 / 5 .247 / 5 .255 / 5 .256 / 5 .254 / 5	.6 V= .6 V= .6 V=	.263 / .278 / .266 / .223 / .150 /	2.5 2.4 2.4 2.5 2.8	W= W= W=	.000614 / .000594 / .000543 /	3.1 2.9 2.6	T= T= T=	.098 / 12.0 .113 / 11.8 .126 / 11.7 .136 / 11.5 .145 / 11.4
LAT=-24.0 LAT=-18.0 LAT=-12.0 LAT= -6.0 LAT= 0.0 LAT= 6.0	U = U = U = U = U =	.231 / 5 .247 / 5 .255 / 5 .256 / 5 .254 / 5 .255 / 5	.6 V= .6 V= .6 V= .6 V= .7 V=	.263 / .278 / .266 / .223 /	2.5 2.4 2.4 2.5	W= W= W=	.000614 / .000594 / .000543 / .000484 /	3.1 2.9 2.6 2.2	T= T= T=	.098 / 12.0 .113 / 11.8 .126 / 11.7 .136 / 11.5 .145 / 11.4
LAT=-24.0 LAT=-18.0 LAT=-12.0 LAT= -6.0 LAT= 0.0 LAT= 6.0 LAT= 12.0	U = U = U = U = U = U =	.231 / 5 .247 / 5 .255 / 5 .256 / 5 .254 / 5 .255 / 5 .263 / 5	.6 V= .6 V= .6 V= .6 V= .7 V=	.263 / .278 / .266 / .223 / .150 / .063 /	2.5 2.4 2.4 2.5 2.8	W= W= W=	.000614 / .000594 / .000543 / .000484 / .000449 /	3.1 2.9 2.6 2.2 1.8	T= T= T= T=	.098 / 12.0 .113 / 11.8 .126 / 11.7 .136 / 11.5 .145 / 11.4 .149 / 11.3
LAT=-24.0 LAT=-18.0 LAT=-12.0 LAT= -6.0 LAT= 0.0 LAT= 6.0 LAT= 12.0 LAT= 18.0	U = U = U = U = U = U =	.231 / 5 .247 / 5 .255 / 5 .256 / 5 .254 / 5 .255 / 5 .263 / 5 .279 / 5	.6 V= .6 V= .6 V= .7 V= .7 V= .7 V=	.263 / .278 / .266 / .223 / .150 / .063 / .083 /	2.5 2.4 2.5 2.8 3.8 7.4 8.1	M= M= M= M= M=	.000614 / .000594 / .000543 / .000484 / .000449 /	3.1 2.9 2.6 2.2 1.8 1.6	T= T= T= T= T= T=	.098 / 12.0 .113 / 11.8 .126 / 11.7 .136 / 11.5 .145 / 11.4 .149 / 11.3
LAT=-24.0 LAT=-18.0 LAT=-12.0 LAT= -6.0 LAT= 6.0 LAT= 6.0 LAT= 12.0 LAT= 18.0 LAT= 24.0	U = U = U = U = U = U = U = U = U = U =	.231 / 5 .247 / 5 .255 / 5 .256 / 5 .254 / 5 .255 / 5 .263 / 5 .279 / 5 .300 / 5	.6 V= .6 V= .6 V= .6 V= .7 V= .7 V= .7 V= .7 V= .8 V=	.263 / .278 / .266 / .223 / .150 / .063 /	2.5 2.4 2.4 2.5 2.8 3.8 7.4	M= M= M= M= M=	.000614 / .000594 / .000543 / .000464 / .000449 / .000438 / .000432 /	3.1 2.9 2.6 2.2 1.8 1.6	T = T = T = T = T = T =	.098 / 12.0 .113 / 11.8 .126 / 11.7 .136 / 11.5 .145 / 11.4 .149 / 11.3
LAT=-24.0 LAT=-18.0 LAT=-12.0 LAT= -6.0 LAT= 0.0 LAT= 6.0 LAT= 12.0 LAT= 18.0 LAT= 24.0 LAT= 30.0	U = U = U = U = U = U = U = U =	.231 / 5 .247 / 5 .256 / 5 .254 / 5 .255 / 5 .253 / 5 .263 / 5 .279 / 5 .300 / 5	.6 V= .6 V= .6 V= .6 V= .7 V= .7 V= .7 V= .8 V= .8 V=	.263 / .278 / .266 / .223 / .150 / .063 / .083 /	2.5 2.4 2.5 2.8 3.8 7.4 8.1	######################################	.000614 / .000594 / .000543 / .000484 / .000438 / .000432 / .000444 /	3.1 2.9 2.6 2.2 1.8 1.6 1.7	T= T= T= T= T= T=	.098 / 12.0 .113 / 11.8 .126 / 11.7 .136 / 11.5 .145 / 11.4 .149 / 11.3 .145 / 11.6 .136 / 11.8
LAT=-24.0 LAT=-18.0 LAT=-12.0 LAT= -6.0 LAT= 0.0 LAT= 6.0 LAT= 12.0 LAT= 18.0 LAT= 24.0 LAT= 30.0 LAT= 36.0	U = U = U = U = U = U = U = U = U = U =	.231 / 5 .247 / 5 .256 / 5 .256 / 5 .254 / 5 .263 / 5 .263 / 5 .279 / 5 .300 / 5	.6 V= .6 V= .6 V= .7 V= .7 V= .7 V= .7 V= .8 V= .8 V= .0 V=	.263 / .278 / .266 / .223 / .150 / .063 / .083 / .182 / .273 /	2.5 2.4 2.5 2.8 3.8 7.4 8.1 8.4	W= W= W= W= W= W= W=	.000614 / .000594 / .000543 / .000484 / .000449 / .000432 / .000444 / .000514 /	3.1 2.9 2.6 2.2 1.8 1.6 1.7 2.2 2.9	T= T= T= T= T= T= T=	.098 / 12.0 .113 / 11.8 .126 / 11.7 .136 / 11.5 .145 / 11.4 .149 / 11.3 .149 / 11.6 .136 / 11.6 .136 / 11.8
LAT=-24.0 LAT=-18.0 LAT=-12.0 LAT= -6.0 LAT= 0.0 LAT= 12.0 LAT= 12.0 LAT= 18.0 LAT= 24.0 LAT= 30.0 LAT= 36.0 LAT= 42.0		.231 / 5 .247 / 5 .255 / 5 .254 / 5 .254 / 5 .255 / 5 .263 / 5 .263 / 5 .300 / 5 .337 / 6	.6 V= .6 V= .6 V= .7 V= .7 V= .7 V= .8 V= .8 V= .0 V= .1 V=	.263 / .278 / .266 / .223 / .150 / .063 / .083 / .182 / .273 / .341 /	2.5 2.4 2.5 2.8 3.8 7.4 8.1 8.4 8.7	***************************************	.000614 / .000594 / .000594 / .000484 / .000449 / .000438 / .000434 / .000514 / .000619 /	3.1 2.9 2.6 2.2 1.8 1.6 1.7 2.2 2.9 3.4	T= T= T= T= T= T= T=	.098 / 12.0 .113 / 11.8 .126 / 11.7 .136 / 11.5 .145 / 11.4 .149 / 11.3 .149 / 11.6 .136 / 11.6 .134 / .1
LAT=-24.0 LAT=-18.0 LAT=-12.0 LAT= -6.0 LAT= 0.0 LAT= 18.0 LAT= 18.0 LAT= 24.0 LAT= 36.0 LAT= 36.0 LAT= 42.0 LAT= 48.0	U = U = U = U = U = U = U = U = U = U =	.231 / 5 .247 / 5 .255 / 5 .254 / 5 .254 / 5 .255 / 5 .263 / 5 .263 / 5 .300 / 5 .337 / 6	.6 V= .6 V= .6 V= .7 V= .7 V= .7 V= .7 V= .8 V= .8 V= .0 V=	.263 / .278 / .266 / .223 / .150 / .063 / .083 / .182 / .273 / .341 / .378 /	2.5 2.4 2.5 2.8 3.8 7.4 8.1 8.7 8.9	***************************************	.000614 / .000594 / .000593 / .000484 / .000449 / .000432 / .000444 / .000514 / .000619 / .000690 /	3.1 2.9 2.6 2.2 1.8 1.6 1.7 2.2 2.9 3.4 3.7	T= T= T= T= T= T= T= T=	.098 / 12.0 .113 / 11.8 .126 / 11.7 .136 / 11.5 .145 / 11.4 .149 / 11.3 .149 / 11.6 .136 / 11.6 .136 / 11.8 .124 / .1 .1086 / .5
LAT=-24.0 LAT=-18.0 LAT=-12.0 LAT= -6.0 LAT= 0.0 LAT= 12.0 LAT= 12.0 LAT= 18.0 LAT= 24.0 LAT= 36.0 LAT= 42.0 LAT= 48.0 LAT= 48.0 LAT= 48.0	0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 =	.231 / 5 .247 / 5 .255 / 5 .256 / 5 .254 / 5 .255 / 5 .255 / 5 .263 / 5 .279 / 5 .300 / 5 .322 / 5 .337 / 6 .330 / 6	.6 V= .6 V= .6 V= .7 V= .7 V= .7 V= .8 V= .8 V= .0 V= .1 V=	.263 / .278 / .266 / .223 / .150 / .063 / .083 / .182 / .273 / .341 / .378 /	2.5 2.4 2.5 2.8 3.8 7.4 8.1 8.7 8.9 9.1	**************************************	.000614 / .000594 / .000594 / .000484 / .000449 / .000432 / .000444 / .000514 / .000690 / .000684 /	3.1 2.9 2.6 2.2 1.8 1.6 1.7 2.2 2.9 3.4 3.7 3.9	T= T= T= T= T= T= T= T= T=	.098 / 12.0 .113 / 11.8 .126 / 11.7 .136 / 11.5 .145 / 11.4 .149 / 11.5 .145 / 11.6 .136 / 11.8 .124 / .1 .108 / .3 .086 / .5
LAT=-24.0 LAT=-18.0 LAT=-12.0 LAT= -6.0 LAT= 0.0 LAT= 12.0 LAT= 12.0 LAT= 18.0 LAT= 30.0 LAT= 36.0 LAT= 42.0 LAT= 42.0 LAT= 48.0 LAT= 54.0 LAT= 54.0	U = U = U = U = U = U = U = U = U = U =	.231 / 5 .247 / 5 .256 / 5 .254 / 5 .255 / 5 .263 / 5 .279 / 5 .300 / 5 .322 / 5 .337 / 6 .339 / 6 .330 / 6 .306 / 6	.6 V= .6 V= .6 V= .7 V= .7 V= .7 V= .7 V= .8 V= .0 V= .1 V= .2 V= .3 V= .4 V=	. 263 / .278 / .268 / .223 / .150 / .063 / .082 / .273 / .341 / .378 / .386 / .372 /	2.5 2.4 2.5 2.8 3.4 1.4 7.9 1.2 8.7 9.1	**************************************	.000614 / .000594 / .000594 / .000484 / .000449 / .000438 / .000432 / .000444 / .000619 / .000694 / .000694 / .00060	3.1 2.9 2.6 2.2 1.8 1.6 1.7 2.2 2.9 3.4 3.7 3.9	T=	.098 / 12.0 .113 / 11.8 .126 / 11.7 .136 / 11.5 .145 / 11.4 .149 / 11.3 .149 / 11.5 .145 / 11.6 .136 / 11.8 .124 / .1 .108 / .3 .086 / .5
LAT=-24.0 LAT=-18.0 LAT= -12.0 LAT= -6.0 LAT= 0.0 LAT= 12.0 LAT= 18.0 LAT= 30.0 LAT= 36.0 LAT= 34.0 LAT= 42.0 LAT= 54.0 LAT= 54.0 LAT= 60.0 LAT= 66.0	U = U = U = U = U = U = U = U = U = U =	.231 / 5 .247 / 5 .255 / 5 .256 / 5 .254 / 5 .253 / 5 .263 / 5 .263 / 5 .300 / 5 .337 / 6 .330 / 6 .330 / 6 .366 / 6 .262 / 6	.6 V= .6 V= .6 V= .7 V= .7 V= .7 V= .8 V= .8 V= .0 V= .1 V= .2 V= .3 V= .4 V=	. 263 / .278 / .266 / .223 / .150 / .083 / .182 / .273 / .341 / .378 / .378 / .372 / .335 /	2.5 2.4 2.5 2.8 3.4 1.4 7.9 1.2 3.1 8.7 9.1 2.3	**************************************	.000614 / .000594 / .000594 / .000484 / .000449 / .000432 / .000444 / .000514 / .000699 / .000684 / .000664 / .000664 / .000662 /	3.1 2.9 2.6 2.2 1.8 1.6 1.7 2.2 3.4 3.7 3.9 4.0	T= T	.098 / 12.0 .113 / 11.8 .126 / 11.7 .136 / 11.5 .145 / 11.4 .149 / 11.3 .149 / 11.6 .136 / 11.8 .124 / .1 .108 / .3 .086 / .5 .064 / .8 .043 / .9
LAT=-24.0 LAT=-18.0 LAT=-12.0 LAT= -6.0 LAT= 0.0 LAT= 12.0 LAT= 18.0 LAT= 30.0 LAT= 36.0 LAT= 42.0 LAT= 48.0 LAT= 48.0 LAT= 54.0 LAT= 54.0	U = U = U = U = U = U = U = U = U = U =	.231 / 5 .247 / 5 .255 / 5 .256 / 5 .254 / 5 .253 / 5 .263 / 5 .279 / 5 .300 / 5 .337 / 6 .339 / 6 .330 / 6 .306 / 6 .262 / 6 .262 / 6 .264 / 6	.6 V= .6 V= .6 V= .7 V= .7 V= .7 V= .7 V= .8 V= .0 V= .1 V= .2 V= .3 V= .4 V=	. 263 / .278 / .268 / .223 / .150 / .083 / .182 / .273 / .378 / .378 / .372 / .372 / .338 /	2.5 2.4 2.5 8.4 1.4 7.9 1.2 3.4 8.9 9.3 9.3	***************************************	.000614 / .000594 / .000594 / .000484 / .000449 / .000432 / .000444 / .000514 / .000690 / .000694 / .000694 / .000604 / .000611 / .000611 /	3.1 2.9 2.6 2.2 1.8 1.7 2.2 3.4 3.7 3.0 4.2 4.3	T= T	.098 / 12.0 .113 / 11.8 .126 / 11.7 .136 / 11.5 .145 / 11.4 .149 / 11.3 .149 / 11.6 .136 / 11.8 .124 / .1 .108 / .3 .086 / .5 .064 / .8 .043 / .9

Table B6. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 47.224	L KM							
77.22	· nw							j
LAT78.0	U≒	.074 / 6.9	٧٠	.076 / 3.6	W=	.000034 / .3	T=	.002 / 8.4
LAT=-72.0	U≉	.115 / 6.8	V =	.117 / 3.7	W=	.000075 / 1.3	T=	.004 / 9.9
LAT=-66.0	U≈	.159 / 6.7	V =	.160 / 3.6	W=	.000153 / 2.0	T=	.011 / 10.8
LAT=~60.0	U≈	.206 / 6.6	V =	.207 / 3.6	₩≖	.000245 / 2.1	T=	.020 / 11.0
LAT=-54.0	U≉	.245 / 6.5	V =	.253 / 3.5	W=	.000361 / 2.0	T≖	.030 / 11.1
LAT=-48.0	U=	.280 / 6.3	V =	.296 / 3.3	wi =	.000522 / 2.1	₹=	.048 / 11.3
LAT=-42.0	U≈	.309 / 6.2	٧×	.330 / 3.2	W=	.000680 / 2.2	T =	.069 / 11.4
LAT=~36.0	U≈ U≈	.330 / 6.1	V =	.354 / 3.0	W=	.000826 / 2.4	T =	.092 / 11.5
LAT 30.0	U≈	.342 / 5.9 .346 / 5.8	V = V =	.364 / 2.9 .359 / 2.6	₩≃	.000919 / 2.5	T #	.116 / 11.7
LAT=-18.0	U≃	.344 / 5.7	V =	.359 / 2.6 .338 / 2.4	₩= ₩=	.000930 / 2.5	T=	.137 / 11.7
LAT=-12.0	U≈	.339 / 5.6	V =	.297 / 2.3	M=	.000837 / 2.7 .000664 / 2.8	T = T =	.151 / 11.8
LAT= -6.0	Ü≈	.332 / 5.5	V=	.234 / 2.1	W=	.000424 / 3.0	1=	.157 / 11.7 .158 / 11.7
LAT= 0.0	Ú=	.326 / 5.6	V =	.146 / 2.3	W=	.000179 / 3.0	7=	.154 / 11.7
LAT= 6.0	U≈	.324 / 5.6	V=	.044 / 3.1	W=	.000041 / .5	T.	150 / 11.6
LAT= 12.0	U≈	.330 / 5.6	V =	.086 / 7.4	W=	.000096 / 11.7	T≃	.148 / 11.5
LAT= 18.0	ບ≈	.342 / 5.6	V=	.195 / 7.9	W=	.000163 / 1.2	T=	.148 / 11.6
LAT= 24.0	U≈	.361 / 5.7	V =	.296 / 8.1	W=	.000355 / 2.2	T=	.147 / 11.8
LAT= 30.0	U≈	.387 / 5.7	V =	.379 / 8.4	W=	.000600 / 2.8	T=	.143 / 11.9
LAT= 36.0	U≃	.416 / 5.9	V =	.444 / 8.7	W=	.000787 / 3.0	T =	.132 / 12.0
LAT= 42.0	U≈	.444 / 6.1	V =	-492 / 9.0	W =	.000852 / 3.2	T =	.111 / .2
LAT= 48.0	U=	.465 / 6.3	V =	.522 / 9.3	₩∓	.000797 / 3.3	1 =	.086 / .3
LAT= 54.0	U≈	.479 / 6.5	V=	.525 / 9.4	W=	.000635 / 3.4	T=	.060 / .4
LAT= 60.0	U≈	456 / 6.6 .432 / 6.7	V =	-469 / 9.6	W=	.000452 / 3.6	T =	.034 / .6
LAT= 72.0	U≈	.341 / 6.8	V = V =	.436 / 9.7 .346 / 9.7	W=	.000232 / 3.7	Ţ=	.020 / .6
LAT= 78.0	U=	.234 6.9	٧×	.346 / 9.7 .245 / 9.8	₩= ₩=	.000187 / 3.6	T= T=	.012 / .7
}	-		•-	-1440	-	.000103 / 3.3		.004 / .6
Z= 52.691	KM							Í
1								1
LAT=-78.0	U≈	.115 / 5.6	V =	.121 / 2.6	W =	.000069 / .8	T =	.003 / 8.6
LAT=-72.0	U=	.179 / 5.7	V =	.184 / 2.7	W =	.000133 / 1.4	T =	.005 / 9.7
LAT = -66.0	U≈	.253 / 5.8	V =	.252 / 2.8	W =	.0002:7 / 1.9	T≠	.010 / 10.6
LAT=-60.0	U≈ U≈	.324 / 5.7	V =	.325 / 2.8	W =	.000355 / 1.8	T =	.018 / 10.7
LAT=-48.0	U≈	.382 / 5.8 .432 / 5.8	V = V =	.335 / 2.8	W=	.000516 / 1.B	T =	.030 / 10.7
LAT=-42.0	Ü≈	.466 / 5.8	V =	.455 / 2.9 .496 / 2.9	W=	.000718 / 1.8	Ţ=	.048 / 10.9
LAT=-36.0	U≈	.482 / 5.8	V =	.496 / 2.9 .513 / 2.9	W≃ W≃	.000908 / 1.8	T = T =	.071 / 11.0
LAT=-30.0	U=	.478 / 5.8	V ≃	499 / 2.9	w = W =	.001142 / 1.9	≀≖ T≖	.096 / 11.2
LAT=-24.0	U≈	.458 / 5.8	V =	.452 / 2.8	W =	.001093 / 1.9	T=	.145 / 11.4
LAT=-18.0	U≈	.433 / 5.8	V =	.381 / 2.7	W =	000895 / 2.1	7 :-	.161 / 11.5
LAT=-12.0	U≈	.410 / 5.7	V =	.217 / 2.6	W=	.000598 / 2.5	Τ=	.168 / 11.6
LAT= -6.0	U≈	.391 / 5.6	V =	.208 / 2.3	₩=	.000287 / 3.7	T=	.168 / 11.8
LAT= 0.0	U=	.380 / 5.0	V =	.118 / 2.0	W≈	.000331 / 6.3	T =	.162 / 11.9
LAT= 6.0	U=	.375 / 5.6	∨ ≥	.026 / 1.2	W =	.000500 / 7.1	T =	.157 / 11.9
LAT= 12.0	U=	.377 / 5.6	V =	.076 / 8 1	w =	.000465 / 7.4	T =	.155 / 11.9
LAT= 18.0	U=	.387 / 5.6	V =	.170 / 8.0	₩ =	.000228 / 7.6	T =	.156 / 11.8
LAT = 24.0	U≘ U≘	405 / 5.7	V =	.270 / B.O	W =	.000185 / 1.5	7 =	.158 / 11.7
LAT= 30.0 LAT= 36.0	U≑ U≒	.436 / 5 .7 .485 / 5 .8	V :	378 / 8.3	W =	.000626 / 1.7	T =	. 157 / 11.7
LAT = 42.0	U=	.485 / 5 .8	V =	.480 / 8.6	W =	.000934 / 1.7	T=	.145 / 11.7
LAT= 42.0	U⇒	.608 / 6.2	V = V =	.532 / 8.9 .668 / 9.2	W =	.001031 / 1.8	Τ=	.124 / 11.7
LAT= 54.0	U±	.662 / 6.3	V =	.722 / 9.2	W = W =	.000949 / 1.8 .000718 / 1.8	T =	.097 / 11.7
LAT= 60.0	Ū=	.666 / 6.5	V =	.723 / 9.5	w= W=	.000718 / 1.8 .000485 / 1.9	T≠ T⇒	.068 / 11.7
LAT= 66.0	Ŭ≖	.646 / 6.5	V =	.659 / 9.5	W =	.000192 / 1.1	1 = T =	.039 / 11.7
LAT# 72.0	U =	.535 / 6.6	V =	.538 / 9.5	Wa	.000192 / 1.1	7=	.013 / 11.6
LAT# 78.0	U≖	.375 / 6.6	V =	.385 / 9.6	w=	.000119 / 2.5	T=	.006 / 11.8

Table B6. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From $78^{\rm O}{\rm S}$ to $78^{\rm O}{\rm N}$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 58.200	k M							
					_		_	
LAT=-78.0	U=	.156 / 5.2	V =	.161 / 2.		.000092 / 1.5	T=	.003 / 8.4
LAT=-72.0	U=	.239 / 5.3	V =	.244 / 2.		.000171 / 1.9	T =	.003 / 9.4
LAT=-66.0	U= U=	.331 / 5.4	V =	.331 / 2. .420 / 2.		.000266 / 2.1 .000406 / 1.9	T= T=	.005 / 10.8
LAT=-60.0 LAT=-54.0	U=	.417 / 5.4 .487 / 5.5	V = V =	.420 / 2. .505 / 2.		.000406 / 1.9	T=	.012 / 10.7 .022 / 10.6
LAT=-48.0	U=	.545 / 5.6	V =	.576 / 2.		.000378 / 1.6	T=	.041 / 10.7
LAT=-42.0	U=	.583 / 5.7	V =	.620 / 2.		.000787 / 1.5	T=	.064 / 10.8
LAT=-36.0	U=	.598 / 5.7	V =	.633 / 2.		.001141 / 1.3	T=	.092 / 10.9
LAT=-30.0	Ü=	.504 / 5.7	V=	.605 / 2.		.001223 / 1.2	T=	.121 / 11.1
LAT=-24.0	Ū≃	.550 / 5.7	v =	.533 / 2.		.001158 / 1.1	T=	.146 / 11.1
LAT=-18.0	Ū=	.506 / 5.8	V =	.426 / 2.		.000892 / 1.0	Ť=	.162 / 11.4
LAT=-12.0	U=	.465 / 5.7	V =	.306 / 2.		.000452 / 1.0	T =	.172 / 11.6
LAT = -6.0	U=	.432 / 5.6	V =	.180 / 2.	7 W=	.000134 / 6.5	T =	.173 / 11.7
LAT= 0.0	U=	.415 / 5.6	V =	.072 / 2.	5 W=	.000710 / 6.8	1=	.174 / 12.0
LAT= 6.0	U=	.409 / 5.6	V =	.012 / 9.	3 w=	.001073 / 6.7	T =	.174 / .1
LAT= 12.0	U≖	.409 / 5.7	V =	.078 / 8 .	4 W=	.001042 / 6.7	T =	.175 / .1
LAT= 18.0	U=	.419 / 5.8	V =	.152 / 8.		.000640 / 6.7	T =	.177 / 12.0
LAT= 24.0	U=	.440 / 5.7	V =	.240 / 8.		.000086 / 1.0	T =	.178 / 11.8
LAT= 30.0	U=	.482 / 5.7	V =	.359 / 8.		.000882 / .6	T=	.175 / 11.6
LAT= 36.0	U=	.557 / 5.8	V =	.513 / 8.		.001465 / .5	T=	.165 / 11.2
LAT= 42.0	U =	.657 / 5.9	V =	.681 / 8.		.001677 / .4	1=	.143 / 11.0
LAT= 48.0	U=	.758 / 6.0	٧×	.820 / 8 .		.001577 / .3	T=	.115 / 10.9
LAT= 54.0	U≠	.844 / 6.0	V =	.914 / 9.		.001228 / 12.0	T=	.082 / 10.7
LAT = 60.0	ឋ= U=	.863 / 6.0	٧=	.930 / 9.		.000803 / 12.0	T =	.051 / 10.7
LAT= 66.0	υ≃ υ≃	.831 / 6.0 .699 / 6.0	V= V=	.854 / 9.		.000574 / 10.9	Υ= Υ=	.024 / 10.3 .017 / 10.6
LAT= 72.0	U=	.495 / 5.9	V =	.498 / 9.		.000291 / 11.5	T=	.010 / 11.4
LAT 78.0	0-	.455 / 3.5	٧-	.430 / 3.	U W-	.000106 / 1.6		.010 / 11.4
Z= 63.765	KM							
LAT=-78.0	U=	.187 / 5.1	V =	.193 / 2.	3 W=	.000127 / 2.2	T ±	.001 / 8.9
LAT=-72.0	U=	.283 / 5.2	V =	.288 / 2.	3 w=	.000222 / 2.4	Ť =	.001 / 11.5
LAT=-66.0	U=	.382 / 5.3	V=	.387 / 2.	3 W=	.000316 / 2.5	T =	.004 / .2
LAT=-60.0	U=	.477 / 5.3	V =	.486 / 2.		.000464 / 2.2	T =	.010 / 11.1
LAT=-54.0	U≃	.556 / 5.3	V =	.580 / 2.		.000638 / 1.8	T =	.021 / 10.7
LAT=-48.0	U=	.622 / 5.4	V =	.658 / 2.		.000838 / 1.5	T =	.041 / 10.7
LAT=-42.0	U=	.666 / 5.5	٧ =	.706 / 2 .		.001027 / 1.2	Ţ=	.067 / 10.6
LAT=-36.0	U=	.684 / 5.5	V =	.720 / 2.		.001219 / .8	T =	.098 / 10.6
LAT=-30.0	Ų=	.668 / 5.5	V =	.686 / 2 .		.001371 / .5	T =	.128 / 10.7
LAT=-24.0	U =	.626 / 5.6	V =	.599 / 2.		.001391 / .1	T =	.152 / 10.7
LAT=-18.0	U= U=	.568 / 5.7 .516 / 5.8	V = V =	.471 / 2. .331 / 3.		.001173 / 11.6	Τ± Τ=	.164 / 11.0
LAT=-12.0 LAT= -6.0	U = U =	.472 / 5.7	V ≠ V =	.331 / 3 .		.000726 / 10.9 .000531 / 8.2	(= T=	.170 / 11.4 .175 / 11.8
LAT= 0.0	U=	.449 / 5.7	V = V ⇒	.196 / 3.		.001162 / 6.7	1 = T =	.189 / .2
LAT = 0.0	U=	.444 / 5.7	V =	.062 / 6.		.001681 / 6.2	T=	.207 / .4
LAT= 12.0	U=	.447 / 5.8	V =	.074 / 8.		.001630 / 6.0	T =	.218 / .4
LAT= 18.0	U=	.462 / 5.9	V =	.138 / 9.		.000994 / 5.7	T =	.216 / .2
LAT = 24.0	U=	.491 / 5.8	V =	.236 / 9.		.000246 / 1.2	Ť=	.209 / 11.8
LAT = 30.0	U=	.550 / 5.8	V =	.388 / 9.		.001498 / 11.9	T=	.200 / 11.3
LA:= 36.0	Ū=	.656 / 5.8	V =	.593 / 8.		.002466 / 11.6	T=	.190 / 10.8
LAT = 42.0	Ū=	.797 / 5.7	V =	.822 / 8.		.002826 / 11.4	T=	.171 / 10.3
LAT= 48.0	U=	.934 / 5.6	V =	1.009 / 8.		.002697 / 11.2	Ţ=	.144 / 10.0
LAT= 54.0	U=	1.053 / 5.4	V =	1.138 / 8.	4 w=	.002141 / 10.9	T≖	.107 / 9.8
LAT= 60.0	U=	1.084 / 5.3	V =	1.160 / 8.		.001383 / 10.7	T ≠	.071 / 9.8
LAT= 66.0	U≥	1.028 / 5.2	V =	1.066 / 8.		.001227 / 9.9	T =	.040 / 8.9
LAT= 72.0	Ų=	.874 / 5.1	V =	.869 / 8 .		.000544 / 10.0	T =	.024 / 9.6
LAT= 78.0	IJ≖	.622 / 5.1	V =	.608 / 8 .	1 W=	.000050 / 1.1	T=	.016 / 11.1

Table B6. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78° S to 78° N in 9° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 69.403 KM							,
	/					_	
LAT=-78.0 U=	.220 / 5.2	V =	.221 / 2.4	M =	.000195 / 2.6	T =	.004 / 11.5
LAT=-72.0 U=	.328 / 5.3 .435 / 5.3	V= V=	.331 / 2.3 .442 / 2.3	W =	.000308 / 2.6	T≠ T=	.006 / 12.0
LAT=-66.0 U=	.544 / 5.2	V =	.556 / 2.3	W= W=	.000406 / 2.5 .000602 / 2.1	T=	.008 / 12.0 .0!7 / 11.0
LAT=-54.0 U=	.635 / 5.3	V =	.664 / 2.3	W=	.000822 / 1.8	Ť=	.033 / 10.6
LAT=-48.0 U=	.713 / 5.2	V =	.754 / 2.2	W=	.001060 / 1.3	T=	.058 / 10.4
LAT=-42.0 U=	.763 / 5.1	V =	.807 / 2.1	W =	.001276 / .8	Ť=	.089 / 10.2
LAT=-36.0 U=	.777 / 5.2	V =	.814 / 2.2	W=	.001552 / .1	T =	.123 / 10.1
LAT=-30.0 U=	.748 / 5.2	V =	.758 / 2.3	₩=	.001835 / 11.6	T =	.151 / 10.1
LAT=-24.0 U=	.687 / 5.4	V =	.638 / 2.5	W=	.002001 / 11.1	T =	.164 / 10.1
LAT=-18.0 U=	.616 / 5.6	V =	.492 / 2.9	W =	.00186 8 / 10.5	T =	.157 / 10.4
LAT=-12.0 U=	.559 / 5.7	V =	.384 / 3.6	W=	.001452 / 9.7	T =	.149 / 11.0
LAT = -6.0 U=	.521 / 5.9	V =	.338 / 4.5	W =	.001177 / 8.0	T =	.170 / 12.0
LAT= 0.0 U=	.507 / 6.0	V =	.294 / 5.0	W=	.001703 / 6.4	T =	.228 / .6
1	.509 / 6.0 .521 / 6.0	V = V =	.171 / 5.3	W =	.002300 / 5.6	T =	.284 / .7
LAT= 12.0 U=	.521 / 6.0 .552 / 6.1	V = V =	.030 / 10.8 .240 / 10.8	W =	.002193 / 5.0 .001328 / 4.3	T= T=	.308 / .5 .296 / .2
LAT= 24.0 U=	.606 / 6.2	V = V =	.446 / 10.4	w= W≃	.000878 / .8	T=	.264 / 11.6
LAT= 30.0 U=	.694 / 6.0	V =	.626 / 9.9	W=	.002485 / 11.4	T=	.235 / 10.9
LAT= 36.0 U=	.828 / 5.7	V =	.823 / 9.1	W =	.003813 / 10.8	T=	.222 / 10.0
LAT = 42.0 U=	.995 / 5.3	V =	1.056 / 8.5	W =	.004298 / 10.5	Τ=	.208 / 9.4
LAT= 48.0 U=	1.160 / 5.0	V =	1.263 / 8.1	W =	.004078 / 10.2	T=	.186 / 9.0
LAT= 54.0 U=	1.298 / 4.7	V =	1.406 / 7.7	W=	.003274 / 9.8	T=	.144 / 8.7
LAT = 60.0 U=	1.334 / 4.4	V =	1.414 / 7.5	W =	.002077 / 9.5	T =	.094 / 8.7
LAT= 66.0 U=	1.234 / 4.2	V =	1.286 / 7.3	w=	.002067 / 9.0	T⇒	.078 / 7.6
LAT= 72.0 U=	1.052 / 4.1	٧ =	1.037 / 7.2	W =	.000830 / 8.6	ŢΞ	.031 / 8.4
LAT= 78.0 U=	.753 / 4.0	V =	.717 / 7 .0	W =	.000185 / 4.9	Ţ =	.023 / 11.1
Z= 75.140 KM							
LAT=-78.0 U=	.332 / 5.2	V =	.309 / 2.3	W=	.000291 / 2.4	T=	.013 / 11.3
LAT=-72.0 U=	.490 / 5.2	V =	.476 / 2.2	W=	.000498 / 2.3	T=	.022 / 11.3
LAT=-66.0 U=	.637 / 5.2	V =	.644 / 2.1	W =	.000685 / 2.0	Ţπ	.028 / 11.0
LAT=-60.0 U=	.789 / 5.0	V =	.806 / 2.1	W =	.001017 / 1.6	T =	.050 / 10.5
LAT=-54.0 U=	.899 / 5.0	V =	.940 / 2.0	W =	.001377 / 1.2	T =	.081 / 10.0
LAT=-48.0 U=	.964 / 4.8	V =	1.020 / 1.8	W =	.001747 / .7	T =	123 / 9.8
LAT=-42.0 U=	.972 / 4.7	V =	1.023 / 1.7	W =	.002061 / 12.0	T =	.163 / 9.5
LAT=-36.0 U=	.916 / 4.7	V =	.938 / 1.7	W' =	.002470 / 11.3	T≠	.199 / 9.2
LAT=-30.0 U=	.805 / 4.7 .662 / 5.1	V =	.758 / 1.8	W =	.002881 / 10.7	T =	.216 / 9.0
LAT=-24.0 U=	.682 / 5.1 .609 / 5.5	V = V =	.538 / 2.2 .470 / 3.5	W = W =	.003130 / 10.1 .002947 / 9.4	T= T=	.194 / 8.9 .123 / 9.1
LAT=-12.0 U=	.599 / 5.9	V =	.606 / 4.4	w= w=	.002369 / 8.6	T=	.081 / 11.3
LAT= -6.0 U=	.629 / 6.2	V =	.746 / 4.7	W =	.001869 / 7.0	T=	.206 / .7
LAT= 0.0 U=	.652 / 6.3	V =	.695 / 4.5	W=	.002366 / 5.2	T=	.360 / .8
LAT= 6.0 U=	.667 / 6.2	V =	.408 / 3.9	W =	.003059 / 4.2	T =	.467 / .5
LAT= 12.0 U=	706 / 6.3	v =	.246 / .5	W=	.002943 / 3.5	T =	.491 / .2
LAT= 18.0 U=	.784 / 6.3	V =	.642 / 11.0	W ≃	.002070 / 2.4	Ť=	.442 / 11.9
LAT= 24.0 U=	.895 / 6.2	V =	1.034 / 10.4	W =	.002101 / 11.9	Ť =	.347 / 11.2
LAT = 30.0 U=	1.013 / 5.9	V =	1.240 / 9.8	W =	.003815 / 10.6	T =	.267 / 10.2
	1.119 / 5.5	V =	1.301 / 9.0	W =	.005239 / 9.9	T =	.244 / 9.0
LAT = 36.0 U=		V=	1.379 / 8.1	W =	.005655 / 9.5	Τ=	.242 / 8.2
LAT = 42.0 U=	1.244 / 4.9	V =					
LAT= 42.0 U= LAT= 8.0 U=	1.244 / 4.9 1.397 / 4.3	V =	1.538 / 7.3	w =	.005256 / 9.1	T =	.229 / 7.6
LAT= 42.0 U= LAT= 8.0 U= LAT= 54.0 U=	1.244 / 4.9 1.397 / 4.3 1.557 / 3.7	V = V =	1.538 / 7.3 1.681 / 6.6	W =	.004194 / 8.6	T=	.229 / 7.6 .184 / 7.3
LAT: 42.0 U= LAT: 8.0 U= LAT: 54.0 U= LAT: 60.0 U=	1.244 / 4.9 1.397 / 4.3 1.557 / 3.7 1.612 / 3.4	V = V = V =	1.538 / 7.3 1.681 / 6.6 1.698 / 6.3	W =	.004194 / 8.6 .002663 / 8.0	T= T=	.229 / 7.6 .184 / 7.3 .110 / 7.3
LAT: 42.0 U= LAT: 8.0 U= LAT: 54.0 U= LAT: 60.0 U= LAT: 66.0 U=	1.244 / 4.9 1.397 / 4.3 1.557 / 3.7 1.612 / 3.4 1.515 / 2.9	V = V = V =	1.538 / 7.3 1.681 / 6.6 1.698 / 6.3 1.537 / 6.0	W = W =	.004194 / 8.6 .002663 / 8.0 .002782 / 8.2	T = T = T =	.229 / 7.6 .184 / 7.3 .110 / 7.3 .155 / 6.5
LAT: 42.0 U= LAT: 8.0 U= LAT: 54.0 U= LAT: 60.0 U=	1.244 / 4.9 1.397 / 4.3 1.557 / 3.7 1.612 / 3.4	V = V = V =	1.538 / 7.3 1.681 / 6.6 1.698 / 6.3	W =	.004194 / 8.6 .002663 / 8.0	T= T=	.229 / 7.6 .184 / 7.3 .110 / 7.3

Table B6. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From $78^{\rm O}{\rm S}$ to $78^{\rm O}{\rm N}$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

LAT = -78.0
LAT=-78.0 U= .850 / 4.9 V= .785 / 1.9 W= .000292 / .5 T= .019 / 9.2 LAT=-72.0 U= 1.214 / 4.8 V= 1.162 / 1.8 W= .000588 / .5 T= .036 / 9.1 LAT=-66.0 U= 1.474 / 4.6 V= 1.484 / 1.6 W= .000967 / .1 T= .061 / 8.7 LAT=-60.0 U= 1.668 / 4.4 V= 1.710 / 1.5 W= .001491 / 11.7 T= .111 / 8.4 LAT=-54.0 U= 1.712 / 4.2 V= 1.791 / 1.2 W= .002261 / 11.2 T= .186 / 8.2 LAT=-48.0 U= 1.712 / 4.2 V= 1.791 / 1.2 W= .002261 / 11.2 T= .186 / 8.2 LAT=-48.0 U= 1.613 / 4.0 V= 1.699 / 1.0 W= .003168 / 10.8 T= .211 / 8.0 LAT=-36.0 U= 1.074 / 3.6 V= 1.001 / .4 W= .004929 / 10.3 T= .340 / 7.8 LAT=-36.0 U= 1.074 / 3.6 V= 1.001 / .4 W= .004929 / 10.3 T= .340 / 7.8 LAT=-30.0 U= .704 / 3.8 V= .432 / .5 W= .004774 / 9.4 T= .359 / 7.3 LAT=-24.0 U= .478 / 4.8 V= .353 / 4.2 W= .004274 / 9.4 T= .359 / 7.3 LAT=-24.0 U= .607 / 6.0 V= 1.016 / 4.5 W= .003607 / 7.8 T= .086 / 4.8 LAT=-18.0 U= .607 / 6.0 V= 1.016 / 4.5 W= .003607 / 7.8 T= .086 / 4.8 LAT=-6.0 U= .974 / 6.4 V= 1.679 / 4.0 W= .002793 / 4.9 T= .218 / 1.4 LAT= -6.0 U= .974 / 6.4 V= 1.679 / 4.0 W= .002793 / 4.9 T= .218 / 1.4 LAT= 6.0 U= 1.040 / 6.3 V= 1.487 / 4.3 W= .004274 / 2.4 T= .781 / 12.0 LAT= 12.0 U= .146 / 6.2 V= .849 / 11.5 W= .003607 / 7.8 T= .681 / .4 LAT= 24.0 U= 1.046 / 6.3 V= 1.679 / 4.0 W= .002793 / 4.9 T= .218 / 1.4 LAT= 24.0 U= 1.366 / 6.1 V= 1.552 / 10.3 W= .003607 / 7.8 T= .681 / .4 LAT= 24.0 U= 1.486 / 6.0 V= 2.112 / 9.7 W= .003817 / 10.9 T= .430 / 11.5 LAT= 30.0 U= 1.565 / 5.6 V= 2.198 / 9.2 W= .004382 / 1.4 T= .750 / 1.5 LAT= 30.0 U= 1.565 / 5.6 V= 2.198 / 9.2 W= .004382 / 1.4 T= .750 / 1.5 LAT= 30.0 U= 1.565 / 5.6 V= 2.198 / 9.2 W= .004382 / 1.4 T= .750 / 1.5 LAT= 30.0 U= 1.540 / 2.1 V= 1.636 / 4.9 W= .003817 / 10.9 T= .430 / 10.5 LAT= 60.0 U= 1.540 / 2.1 V= 1.636 / 4.9 W= .006636 / 7.8 T= .221 / 5.8 LAT= 60.0 U= 1.540 / 2.1 V= 1.636 / 4.9 W= .006666 / 7.8 T= .221 / 5.6 LAT= 60.0 U= 1.540 / 2.1 V= 1.636 / 4.9 W= .003817 / 10.9 T= .221 / 5.6 LAT= 60.0 U= 1.540 / 2.1 V= 1.636 / 4.9 W= .006666 / 7.8 T= .221 / 5.6 LAT= 60.0 U= 1.540 / 2.1 V= 1.636 / 4.9 W= .00581 / 6.3 T= .140 /
LAT=-60.0 U= 1.214 / 4.8 V= 1.162 / 1.8 W= .000588 / .5 T= .036 / 9.1 LAT=-60.0 U= 1.474 / 4.6 V= 1.484 / 1.6 W= .000967 / 1 T= .061 / 8.7 LAT=-60.0 U= 1.668 / 4.4 V= 1.710 / 1.5 W= .001491 / 11.7 T= .111 / 8.4 LAT=-54.0 U= 1.712 / 4.2 V= 1.791 / 1.2 W= .002261 / 11.2 T= .186 / 8.2 LAT=-48.0 U= 1.613 / 4.0 V= 1.699 / 1.0 W= .003168 / 10.8 T= .271 / 8.0 LAT=-42.0 U= 1.400 / 3.8 V= 1.431 / .7 W= .003588 / 10.8 T= .271 / 8.0 LAT=-36.0 U= 1.074 / 3.6 V= 1.001 / .4 W= .004580 / 9.9 T= .381 / 7.6 LAT=-30.0 U= 1.074 / 3.6 V= 1.001 / .4 W= .004580 / 9.9 T= .381 / 7.6 LAT=-30.0 U= .704 / 3.8 V= .432 / .5 W= .004774 / 9.4 T= .359 / 7.3 LAT=-24.0 U= .478 / 4.8 V= .353 / 4.2 W= .004475 / 8.7 T= .249 / 6.8 LAT=-18.0 U= .607 / 6.0 V= 1.016 / 4.5 W= .003607 / 7.8 T= .086 / 4.8 LAT=-18.0 U= .607 / 6.0 V= 1.016 / 4.5 W= .003607 / 7.8 T= .086 / 4.8 LAT=-0.0 U= .824 / 6.4 V= 1.678 / 4.3 W= .002837 / 6.6 T= .218 / 1.4 LAT= 0.0 U= .1016 / 6.3 V= 1.418 / 3.5 W= .003507 / 7.8 T= .086 / 4.8 LAT= 12.0 U= .1046 / 6.3 V= .807 / 2.3 W= .004264 / 2.4 T= .781 / 1.2 LAT= 12.0 U= 1.040 / 6.3 V= .807 / 2.3 W= .004264 / 2.4 T= .781 / 12.0 LAT= 12.0 U= 1.146 / 6.2 V= .849 / 11.5 W= .003507 / 7.8 T= .681 / .4 LAT= 24.0 U= 1.486 / 6.0 V= .1.552 / 10.3 W= .004264 / 2.4 T= .781 / 12.0 LAT= 30.0 U= 1.565 / 5.6 V= 2.198 / 9.2 W= .003507 / 7.4 T= .633 / 11.5 LAT= 24.0 U= 1.486 / 6.0 V= 1.552 / 10.3 W= .003507 / 7.4 T= .633 / 11.5 LAT= 42.0 U= 1.496 / 5.0 V= 1.992 / 8.5 W= .00634 / 8.4 T= .161 / 7.1 LAT= 24.0 U= 1.486 / 6.0 V= 1.592 / 8.5 W= .00634 / 8.4 T= .161 / 7.1 LAT= 24.0 U= 1.496 / 5.0 V= 1.992 / 8.5 W= .00634 / 8.4 T= .161 / 7.1 LAT= 24.0 U= 1.496 / 5.0 V= 1.992 / 8.5 W= .006394 / 8.4 T= .161 / 7.1 LAT= 60.0 U= 1.540 / 2.1 V= 1.636 / 11.1 W= .000995 / 9.4 T= .230 / 9.4 LAT= 60.0 U= 1.540 / 2.1 V= 1.636 / 11.1 W= .001928 / 10.0 T= .232 / 4.9 LAT=-60.0 U= .573 / 1.4 V= .834 / 3.9 W= .001978 / 10.0 T= .180 / 6.9 LAT=-52.0 U= .573 / 1.4 V= .834 / 3.9 W= .001978 / 10.0 T= .180 / 6.9 LAT=-52.0 U= .573 / 1.4 V= .834 / 10.9 W= .005782 / 9.5 T= .387 / 6.
LAT=-66.0 U= 1.474 / 4.6 V= 1.484 / 1.6 W= .000967 .1 T= .061 / 8.7 LAT=-60.0 U= 1.668 / 4.4 V= 1.710 / 1.5 W= .001491 / 11.7 T= .111 / 8.4 LAT=-54.0 U= 1.613 / 4.0 V= 1.710 / 1.5 W= .001261 / 11.2 T= .186 / 8.2 LAT=-48.0 U= 1.613 / 4.0 V= 1.699 / 1.0 W= .003168 / 10.8 T= .271 / 8.0 LAT=-42.0 U= 1.400 / 3.8 V= 1.431 / .7 W= .003299 / 10.3 T= .340 / 7.8 LAT=-36.0 U= 1.074 / 3.6 V= 1.001 / .4 W= .004580 / 9.9 T= .381 / 7.6 LAT=-30.0 U= .704 / 3.8 V= .432 / .5 W= .004774 / 9.4 T= .359 / 7.3 LAT=-24.0 U= .478 / 4.8 V= .353 / 4.2 W= .004774 / 9.4 T= .359 / 7.3 LAT=-12.0 U= .607 / 6.0 V= 1.016 / 4.5 W= .003607 / 7.8 T= .086 / 4.8 LAT=-12.0 U= .824 / 6.4 V= 1.478 / 4.3 W= .002837 / 6.6 T= .218 / 1.4 LAT= -6.0 U= .974 / 6.4 V= 1.478 / 4.3 W= .002837 / 6.6 T= .218 / 1.4 LAT= 6.0 U= 1.016 / 6.3 V= 1.679 / 4.0 W= .002793 / 4.9 T= .476 / .8 LAT= 12.0 U= 1.016 / 6.3 V= .807 / 2.3 W= .003545 / 3.5 T= .681 / .4 LAT= 12.0 U= 1.040 / 6.3 V= .807 / 2.3 W= .004264 / 2.4 T= .781 / 12.0 LAT= 12.0 U= 1.306 / 6.1 V= 1.552 / 10.3 W= .003963 / .4 T= .633 / 11.1 LAT= 24.0 U= 1.486 / 6.0 V= 2.112 / 9.7 W= .003963 / .4 T= .633 / 11.1 LAT= 24.0 U= 1.486 / 6.0 V= 2.112 / 9.7 W= .003817 / 10.9 T= .430 / 10.5 LAT= 30.0 U= 1.565 / 5.6 V= 2.198 / 9.2 W= .004959 / 9.4 T= .230 / 9.4 LAT= 36.0 U= 1.496 / 5.0 V= 2.112 / 9.7 W= .003817 / 10.9 T= .430 / 10.5 LAT= 30.0 U= 1.496 / 5.0 V= 1.632 / 7.4 W= .006636 / 7.4 T= .232 / 4.9 LAT= 60.0 U= 1.540 / 2.1 V= 1.632 / 7.4 W= .006636 / 7.4 T= .259 / 5.2 LAT= 60.0 U= 1.540 / 2.1 V= 1.632 / 7.4 W= .006636 / 7.4 T= .259 / 5.2 LAT= 60.0 U= 1.540 / 2.1 V= 1.632 / 7.4 W= .006636 / 7.3 T= .221 / 5.8 LAT= 60.0 U= 1.540 / 2.1 V= 1.632 / 7.4 W= .006636 / 7.4 T= .259 / 5.2 LAT= 60.0 U= 1.540 / 2.1 V= 1.636 / 4.9 W= .003817 / 10.9 T= .232 / 4.9 LAT= 60.0 U= 1.540 / 2.1 V= 1.636 / 11.1 W= .000995 / 7.0 T= .232 / 4.9 LAT= 60.0 U= .532 / 4.9 LAT= 60.0 U= .530 / 1.4 V= .384 / 3.9 W= .002709 / 3.8 T= .140 / .6 LAT=-54.0 U= .558 / 2.0 V= .2550 / 11.1 W= .000995 / 7.5 T= .096 / 6.6 LAT=-54.0 U= .578 / 1.4 V= .584 / 1.9 V= .2
LAT=-54.0 U= 1.668 / 4.4 V= 1.710 / 1.5 W= .001491 / 11.7 T= .111 / 8.4 LAT=-54.0 U= 1.712 / 4.2 V= 1.791 / 1.2 W= .002261 / 11.2 T= .186 / 8.2 LAT=-48.0 U= 1.613 / 4.0 V= 1.699 / 1.0 W= .003168 / 10.8 T= .271 / 8.0 LAT=-42.0 U= 1.400 / 3.8 V= 1.431 / .7 W= .003929 / 10.3 T= .340 / 7.8 LAT=-36.0 U= 1.074 / 3.6 V= 1.001 / .4 W= .004580 / 9.9 T= .381 / 7.6 LAT=-30.0 U= .704 / 3.8 V= .432 / .5 W= .004774 / 9.4 T= .359 / 7.3 LAT=-24.0 U= .478 / 4.8 V= .353 / 4.2 W= .004425 / 8.7 T= .249 / 6.8 LAT=-18.0 U= .607 / 6.0 V= 1.016 / 4.5 W= .003607 / 7.8 T= .086 / 4.8 LAT=-18.0 U= .607 / 6.0 V= 1.016 / 4.5 W= .003607 / 7.8 T= .086 / 4.8 LAT=-10.0 U= .824 / 6.4 V= 1.679 / 4.0 W= .002933 / 4.9 T= .476 / .8 LAT=-0.0 U= .1.016 / 6.3 V= 1.418 / 3.5 W= .003507 / 7.8 T= .681 / .4 LAT= 0.0 U= 1.016 / 6.3 V= 1.418 / 3.5 W= .003507 / 7.8 T= .681 / .4 LAT= 12.0 U= 1.046 / 6.3 V= .807 / 2.3 W= .004264 / 2.4 T= .781 / 1.2 LAT= 12.0 U= 1.306 / 6.1 V= 1.552 / 10.3 W= .003507 / 1.4 T= .750 / 11.5 LAT= 13.0 U= 1.366 / 6.1 V= 1.552 / 10.3 W= .003867 / 1.4 T= .750 / 11.5 LAT= 36.0 U= 1.486 / 6.0 V= 2.112 / 9.7 W= .003817 / 10.9 T= .430 / 10.5 LAT= 36.0 U= 1.496 / 5.0 V= 1.929 / 8.5 W= .003636 / 7.8 T= .230 / 9.4 LAT= 36.0 U= 1.496 / 5.0 V= 1.929 / 8.5 W= .006536 / 7.8 T= .231 / 5.8 LAT= 54.0 U= 1.496 / 5.0 V= 1.929 / 8.5 W= .006536 / 7.4 T= .230 / 9.4 LAT= 54.0 U= 1.496 / 5.0 V= 1.929 / 8.5 W= .006536 / 7.4 T= .221 / 5.8 LAT= 48.0 U= 1.433 / 3.3 V= 1.618 / 6.4 W= .006536 / 7.8 T= .221 / 5.8 LAT= 54.0 U= 1.540 / 2.1 V= 1.632 / 7.4 W= .003697 / 7.0 T= .232 / 4.9 LAT= 54.0 U= 1.540 / 2.1 V= 1.636 / 4.9 W= .003891 / 6.3 T= .143 / 4.3 LAT= 60.0 U= 1.540 / 2.1 V= 1.636 / 4.9 W= .003891 / 6.3 T= .143 / 4.3 LAT= 60.0 U= 1.540 / 2.1 V= 1.836 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-72.0 U= 1.001 / 1.4 V= 1.382 / 4.6 W= .006536 / 7.4 T= .232 / 4.9 LAT=-60.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-60.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-60.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .001928 / 10.
LAT=-94.0 U= 1.712 / 4.2 V= 1.791 / 1.2 W= .002261 / 11.2 T= .186 / 8.2 LAT=-48.0 U= 1.613 / 4.0 V= 1.699 / 1.0 W= .003168 / 10.8 T= .271 / 8.0 LAT=-42.0 U= 1.600 / 3.8 V= 1.431 / .7 W= .003929 / 10.3 T= .340 / 7.8 LAT=-36.0 U= 1.074 / 3.6 V= 1.001 / .4 W= .004580 / 9.9 T= .381 / 7.6 LAT=-30.0 U= .704 / 3.8 V= .432 / .5 W= .004774 / 9.4 T= .359 / 7.3 LAT=-24.0 U= .478 / 4.8 V= .353 / 4.2 W= .004774 / 9.4 T= .359 / 7.3 LAT=-24.0 U= .607 / 6.0 V= 1.016 / 4.5 W= .003607 / 7.8 T= .086 / 4.8 LAT=-12.0 U= .607 / 6.0 V= 1.016 / 4.5 W= .003607 / 7.8 T= .086 / 4.8 LAT=-12.0 U= .824 / 6.4 V= 1.478 / 4.3 W= .002837 / 6.6 T= .218 / 1.4 LAT= -6.0 U= .974 / 6.4 V= 1.679 / 4.0 W= .002793 / 4.9 T= .476 / .8 LAT= 10.0 U= .1016 / 6.3 V= 1.418 / 3.5 W= .003545 / 3.5 T= .681 / .4 LAT= 6.0 U= 1.040 / 6.3 V= .807 / 2.3 W= .004264 / 2.4 T= .781 / 12.0 LAT= 12.0 U= 1.366 / 6.1 V= 1.552 / 10.3 W= .004382 / 1.4 T= .750 / 11.5 LAT= 24.0 U= 1.366 / 6.1 V= 1.552 / 10.3 W= .003963 / 4 T= .633 / 11.1 LAT= 24.0 U= 1.486 / 6.0 V= 2.112 / 9.7 W= .003817 / 10.9 T= .430 / 10.5 LAT= 30.0 U= 1.565 / 5.6 V= 2.198 / 9.2 W= .004759 / 9.4 T= .230 / 9.4 LAT= 60.0 U= 1.443 / 3.3 V= 1.618 / 6.4 W= .006536 / 7.4 T= .230 / 9.4 LAT= 60.0 U= 1.540 / 2.1 V= 1.632 / 7.4 W= .006536 / 7.4 T= .259 / 5.2 LAT= 54.0 U= 1.540 / 2.1 V= 1.632 / 7.4 W= .006536 / 7.4 T= .259 / 5.2 LAT= 60.0 U= 1.540 / 2.1 V= 1.636 / 4.9 W= .005881 / 6.3 T= .143 / 4.3 LAT= 60.0 U= 1.540 / 2.1 V= 1.636 / 4.9 W= .005881 / 6.3 T= .143 / 4.3 LAT= 60.0 U= 1.540 / 2.1 V= 1.636 / 4.9 W= .005881 / 6.3 T= .143 / 4.3 LAT= 60.0 U= 1.555 / 2.6 V= .1668 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-60.0 U= 1.556 / 2.1 V= 1.636 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-60.0 U= .573 / 11.4 V= .834 / 3.9 W= .005881 / 6.3 T= .143 / 4.3 LAT=-60.0 U= .573 / 11.4 V= .834 / 3.9 W= .005892 / 9.5 T= .096 / 6.6 LAT=-72.0 U= .2015 / 2.1 V= 1.806 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-60.0 U= .573 / 11.4 V= .2550 / 11.1 W= .007928 / 10.0 T= .180 / 6.5 LAT=-60.0 U= .2015 / 2.1 V= 1.806 / 11.1 W= .007928 / 10.0
LAT=-48.0 U= 1.613 / 4.0 V= 1.699 / 1.0 W= .003168 / 10.8 T= .271 / 8.0 LAT=-42.0 U= 1.400 / 3.8 V= 1.431 / .7 W= .003929 / 10.3 T= .340 / 7.8 LAT=-36.0 U= 1.074 / 3.6 V= 1.001 / .4 W= .004580 / 9.9 T= .381 / 7.6 LAT=-30.0 U= .704 / 3.8 V= .432 / .5 W= .004774 / 9.4 T= .359 / 7.3 LAT=-24.0 U= .478 / 4.8 V= .353 / 4.2 W= .004774 / 9.4 T= .359 / 7.3 LAT=-24.0 U= .478 / 4.8 V= .353 / 4.2 W= .004425 / 8.7 T= .249 / 6.8 LAT=-18.0 U= .607 / 6.0 V= 1.016 / 4.5 W= .003607 / 7.8 T= .086 / 4.8 LAT=-18.0 U= .607 / 6.0 V= 1.016 / 4.5 W= .003607 / 7.8 T= .086 / 4.8 LAT=-18.0 U= .824 / 6.4 V= 1.679 / 4.0 W= .002837 / 6.6 T= .218 / 1.4 LAT= 0.0 U= .974 / 6.4 V= 1.679 / 4.0 W= .002793 / 4.9 T= .476 / .8 LAT= 0.0 U= 1.016 / 6.3 V= 1.418 / 3.5 W= .003545 / 3.5 T= .681 / .4 LAT= 6.0 U= 1.040 / 6.3 V= .807 / 2.3 W= .004264 / 2.4 T= .781 / 12.0 LAT= 12.0 U= 1.046 / 6.2 V= .849 / 11.5 W= .004382 / 1.4 T= .750 / 11.5 LAT= 18.0 U= 1.306 / 6.1 V= 1.552 / 10.3 W= .003807 / 1.9 T= .430 / 10.5 LAT= 30.0 U= 1.466 / 6.0 V= 2.112 / 9.7 W= .003817 / 10.9 T= .430 / 10.5 LAT= 30.0 U= 1.496 / 5.0 V= 1.929 / 8.5 W= .006034 / 8.4 T= .161 / 7.1 LAT= 42.0 U= 1.409 / 4.2 V= 1.632 / 7.4 W= .006666 / 7.8 T= .221 / 5.8 LAT= 48.0 U= 1.434 / 3.3 V= 1.618 / 6.4 V= .006656 / 7.4 T= .232 / 4.9 LAT= 60.0 U= 1.540 / 2.1 V= 1.636 / 4.9 W= .006066 / 7.8 T= .221 / 5.8 LAT= 72.0 U= 1.550 / 2.1 V= 1.636 / 4.9 W= .003817 / 10.0 T= .252 / 4.9 LAT= 60.0 U= .573 / 1.4 V= .834 / 3.9 W= .002099 / 3.8 T= .140 / .6 LAT=-78.0 U= .573 / 1.4 V= .834 / 3.9 W= .002099 / 3.8 T= .140 / .6 LAT=-78.0 U= .573 / 1.4 V= .834 / 3.9 W= .002099 / 3.8 T= .140 / .6 LAT=-54.0 U= .553 / 1.4 V= .834 / 3.9 W= .002099 / 3.8 T= .140 / .6 LAT=-54.0 U= 3.124 / 1.9 V= 2.550 / 11.1 W= .000782 / 9.5 T= .387 / 6.5 LAT=-54.0 U= 3.124 / 1.9 V= 2.550 / 11.1 W= .007978 / 9.5 T= .387 / 6.5 LAT=-54.0 U= 3.124 / 1.9 V= 2.683 / 11.1 W= .007978 / 9.5 T= .387 / 6.5 LAT=-50.0 U= 3.013 / 2.0 V= 3.045 / 11.0 W= .005782 / 9.1 T= .580 / 6.5 LAT=-50.0 U= 3.013 / 2.0 V= 3.045 / 11.0 W= .005782 / 9.1 T= .580 / 6.5 LAT=
LAT=-42.0
LATE-36.0 U= 1.074 / 3.6 V= 1.001 / .4 W= .004580 / 9.9 T= .381 / 7.6 LATE-30.0 U= .704 / 3.8 V= .432 / .5 W= .004774 / 9.4 T= .359 / 7.3 LATE-24.0 U= .478 / 4.8 V= .353 / 4.2 W= .004425 / 8.7 T= .249 / 6.8 LATE-18.0 U= .607 / 6.0 V= 1.016 / 4.5 W= .003607 / 7.8 T= .086 / 4.8 LATE-12.0 U= .824 / 6.4 V= 1.478 / 4.3 W= .002837 / 6.6 T= .218 / 1.4 LATE -6.0 U= .974 / 6.4 V= 1.679 / 4.0 W= .002793 / 4.9 T= .476 / .8 LATE -6.0 U= 1.016 / 6.3 V= 1.418 / 3.5 W= .003657 / 3.5 T= .681 / .4 LATE -6.0 U= 1.046 / 6.3 V= 1.418 / 3.5 W= .003755 / 3.5 T= .681 / .4 LATE 12.0 U= 1.046 / 6.3 V= .897 / 2.3 W= .004264 / 2.4 T= .781 / 12.0 LATE 12.0 U= 1.306 / 6.1 V= 1.552 / 10.3 W= .004382 / 1.4 T= .750 / 11.5 LATE 18.0 U= 1.306 / 6.1 V= 1.552 / 10.3 W= .003817 / 10.9 T= .430 / 10.5 LATE 30.0 U= 1.486 / 6.0 V= 2.112 / 9.7 W= .003817 / 10.9 T= .430 / 10.5 LATE 30.0 U= 1.496 / 5.0 V= 1.192 / 9.2 W= .004759 / 9.4 T= .230 / 9.4 LATE 42.0 U= 1.496 / 5.0 V= 1.192 / 8.5 W= .006666 / 7.8 T= .221 / 5.8 LATE 48.0 U= 1.440 / 4.2 V= 1.632 / 7.4 W= .006666 / 7.8 T= .221 / 5.8 LATE 54.0 U= 1.540 / 2.6 V= 1.674 / 5.6 W= .005366 / 7.4 T= .259 / 5.2 LATE 54.0 U= 1.540 / 2.1 V= 1.636 / 4.9 W= .005859 / 7.0 T= .232 / 4.9 LATE 66.0 U= 1.591 / 1.4 V= 1.636 / 4.9 W= .003881 / 6.3 T= .143 / 4.3 LATE 66.0 U= 1.550 / 2.1 V= 1.636 / 4.9 W= .003881 / 6.3 T= .143 / 4.3 LATE 66.0 U= 1.550 / 2.1 V= 1.636 / 4.9 W= .005459 / 7.0 T= .256 / 5.5 LATE 72.0 U= 1.001 / 1.4 V= 1.382 / 4.6 W= .005366 / 7.3 T= .256 / 5.5 LATE 72.0 U= 1.001 / 1.4 V= 1.382 / 4.6 W= .005095 / 9.7 T= .096 / 6.6 LATE 78.0 U= 3.013 / 2.0 V= 3.045 / 11.0 W= .002099 / 3.8 T= .140 / .6 LATE 50.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LATE 50.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LATE 50.0 U= 2.586 / 2.0 V= 2.550 / 11.0 W= .005097 / 9.5 T= .387 / 6.5 LATE 72.0 U= 2.015 / 2.1 V= 1.806 / 11.0 W= .002021 / 10.0 T= .251 / 6.9 LATE 50.0 U= 2.058 / 1.0 V= .2580 / 10.0 W= .005787 / 9.5 T= .387 / 6.5 LATE 50.0 U= 2.085 / 1.0 V= .2580 / 10.0 W= .005787 / 9
LAT=-30.0 U= .704 / 3.8 V= .432 / .5 W= .004774 / 9.4 T= .359 / 7.3 LAT=-24.0 U= .478 / 4.8 V= .353 / 4.2 W= .004425 / 8.7 T= .249 / 6.8 LAT=-18.0 U= .607 / 6.0 V= 1.016 / 4.5 W= .003607 / 7.8 T= .086 / 4.8 LAT=-18.0 U= .607 / 6.0 V= 1.016 / 4.5 W= .003607 / 7.8 T= .086 / 4.8 LAT=-12.0 U= .824 / 6.4 V= 1.478 / 4.3 W= .002837 / 6.6 T= .218 / 1.4 LAT= -6.0 U= .974 / 6.4 V= 1.679 / 4.0 W= .002793 / 4.9 T= .476 / .8 LAT= 0.0 U= 1.016 / 6.3 V= 1.418 / 3.5 W= .003545 / 3.5 T= .681 / .4 LAT= 6.0 U= 1.040 / 6.3 V= 1.418 / 3.5 W= .003545 / 3.5 T= .681 / .4 LAT= 6.0 U= 1.040 / 6.3 V= .807 / 2.3 W= .004264 / 2.4 T= .781 / 12.0 LAT= 12.0 U= 1.146 / 6.2 V= .849 / 11.5 W= .004382 / 1.4 T= .750 / 11.5 LAT= 13.0 U= 1.306 / 6.1 V= 1.552 / 10.3 W= .003963 / .4 T= .633 / 11.1 LAT= 24.0 U= 1.486 / 6.0 V= 2.112 / 9.7 W= .003817 / 10.9 T= .430 / 10.5 LAT= 30.0 U= 1.696 / 5.0 V= 1.929 / 8.5 W= .006536 / 7.4 T= .230 / 9.4 LAT= 48.0 U= 1.409 / 4.2 V= 1.632 / 7.4 W= .006666 / 7.8 T= .221 / 5.8 LAT= 48.0 U= 1.409 / 4.2 V= 1.632 / 7.4 W= .006536 / 7.4 T= .259 / 5.2 LAT= 54.0 U= 1.549 / 2.6 V= 1.674 / 5.6 W= .005369 / 7.0 T= .232 / 4.9 LAT= 60.0 U= 1.591 / 1.4 V= 1.382 / 4.6 W= .003881 / 6.3 T= .143 / 4.3 LAT= 66.0 U= 1.591 / 1.4 V= 1.382 / 4.6 W= .003881 / 6.3 T= .143 / 4.3 LAT= 66.0 U= 1.591 / 1.4 V= 1.382 / 4.6 W= .003881 / 6.3 T= .143 / 4.3 LAT= 66.0 U= 1.591 / 1.4 V= 1.382 / 4.6 W= .003881 / 6.3 T= .143 / 4.3 LAT= 66.0 U= .573 / 1.4 V= 1.382 / 4.6 W= .003874 / 5.1 T= .075 / 2.6 LAT= 78.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .001928 / 10.0 T= .251 / 6.9 LAT=-60.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .002721 / 10.0 T= .251 / 6.9 LAT=-60.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .002721 / 10.0 T= .580 / 6.5 LAT=-60.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .002721 / 10.0 T= .580 / 6.5 LAT=-60.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .002721 / 10.0 T= .580 / 6.5 LAT=-60.0 U= 2.586 / 2.0 V= 2.550 / 11.0 W= .004027 / 9.5 T= .387 / 6.5 LAT=-48.0 U= 2.584 / 1.9 V= 2.283 / 10.9 W= .005782 / 9.1 T= .580 / 6.5 LAT=-48.0 U= 2.586 / 2.0 V= 3.045 / 11.0 W= .004027 / 9.5
LAT=-24.0 U=
LAT = -18.0 U = .607 / 6.0 V = 1.016 / 4.5 W = .003607 / 7.8 T = .086 / 4.8 LAT = -12.0 U = .824 / 6.4 V = 1.478 / 4.3 W = .002837 / 6.6 T = .218 / 1.4 LAT = -6.0 U = .974 / 6.4 V = 1.679 / 4.0 W = .002793 / 4.9 T = .476 / .8 LAT = 0.0 U = 1.016 / 6.3 V = 1.418 / 3.5 W = .003545 / 3.5 T = .681 / .4 LAT = 0.0 U = 1.040 / 6.3 V = .807 / 2.3 W = .004264 / 2.4 T = .781 / 12.0 LAT = 12.0 U = 1.146 / 6.2 V = .849 / 11.5 W = .004382 / 1.4 T = .750 / 1.5 LAT = 18.0 U = 1.306 / 6.1 V = 1.552 / 10.3 W = .003863 / .4 T = .633 / 11.1 LAT = 24.0 U = 1.486 / 6.0 V = 2.112 / 9.7 W = .003817 / 10.9 T = .430 / 10.5 LAT = 30.0 U = 1.565 / 5.6 V = 2.198 / 9.2 W = .004759 / 9.4 T = .220 / 9.4 LAT = 36.0 U = 1.496 / 5.0 V = 1.929 / 8.5 W = .006034 / 8.4 T = .161 / 7.1 LAT = 42.0 U = 1.409 / 4.2 V = 1.632 / 7.4 W = .006666 / 7.8 T = .221 / 5.8 LAT = 48.0 U = 1.549 / 2.6 V = 1.674 / 5.6 W = .005459 / 7.0 T = .232 / 4.9 LAT = 54.0 U = 1.549 / 2.6 V = 1.674 / 5.6 W = .005459 / 7.0 T = .232 / 4.9 LAT = 60.0 U = 1.550 / 2.1 V = 1.636 / 4.9 W = .003881 / 6.3 T = .143 / 4.3 LAT = 72.0 U = 1.573 / 1.4 V = 1.382 / 4.6 W = .003076 / 7.3 T = .256 / 5.5 LAT = 78.0 U = .573 / 1.4 V = 1.382 / 4.6 W = .003076 / 7.3 T = .256 / 5.5 LAT = 78.0 U = .573 / 1.4 V = 1.382 / 4.6 W = .001874 / 5.1 T = .075 / 2.6 LAT = -60.0 U = .573 / 1.4 V = 1.266 / 11.1 W = .000995 / 9.7 T = .096 / 6.6 LAT = -60.0 U = .573 / 1.4 V = 1.266 / 11.1 W = .000995 / 9.7 T = .096 / 6.6 LAT = -60.0 U = .573 / 1.4 V = .834 / 3.9 W = .001874 / 5.1 T = .075 / 2.6 LAT = -60.0 U = .573 / 1.4 V = .2550 / 11.1 W = .000995 / 9.7 T = .580 / 6.5 LAT = -60.0 U = .573 / 1.4 V = .2550 / 11.1 W = .000995 / 9.7 T = .580 / 6.5 LAT = -60.0 U = .573 / 1.4 V = .2550 / 11.1 W = .000995 / 9.7 T = .580 / 6.5 LAT = -60.0 U = .573 / 1.4 V = .2550 / 11.1 W = .000995 / 9.7 T = .580 / 6.5 LAT = -60.0 U = .573 / 1.4 V = .2550 / 11.1 W = .000995 / 9.7 T = .580 / 6.5 LAT = -60.0 U = .5784 / 1.9 V = .2550 / 11.1 W = .000995 / 9.7 T = .580 / 6.5 LAT = -48.0 U = .2586 / 2.0 V = .2550 / 11.1 W = .000992 / 9.5 T =
LAT=-12.0 U= .824 / 6.4 V= 1.478 / 4.3 W= .002837 / 6.6 T= .218 / 1.4 LAT= -6.0 U= .974 / 6.4 V= 1.679 / 4.0 W= .002793 / 4.9 T= .476 / .8 LAT= 0.0 U= 1.016 / 6.3 V= 1.418 / 3.5 W= .003545 / 3.5 T= .681 / .4 LAT= 6.0 U= 1.040 / 6.3 V= .807 / 2.3 W= .004264 / 2.4 T= .781 / 12.0 LAT= 12.0 U= 1.146 / 6.2 V= .849 / 11.5 W= .004382 / 1.4 T= .750 / 1.5 LAT= 18.0 U= 1.306 / 6.1 V= 1.552 / 10.3 W= .003963 / .4 T= .633 / 11.1 LAT= 24.0 U= 1.486 / 6.0 V= 2.112 / 9.7 W= .003817 / 10.9 T= .430 / 10.5 LAT= 30.0 U= 1.565 / 5.6 V= 2.198 / 9.2 W= .00459 / 9.4 T= .230 / 9.4 LAT= 42.0 U= 1.409 / 4.2 V= 1.632 / 7.4 W= .006666 / 7.8 T= .211 / 5.8 LAT= 48.0 U= 1.443 / 3.3 V= 1.618 / 6.4 W= .006536 / 7.4 T= .259 / 5.2 LAT= 54.0 U= 1.549 / 2.6 V= 1.674 / 5.6 W= .005459 / 7.0 T= .232 / 4.9 LAT= 60.0 U= 1.591 / 1.4 V= 1.382 / 4.6 W= .003881 / 6.3 T= .143 / 4.3 LAT= 60.0 U= 1.591 / 1.4 V= 1.382 / 4.6 W= .003881 / 6.3 T= .143 / 4.3 LAT= 72.0 U= 1.001 / 1.4 V= .834 / 3.9 W= .00209 / 3.8 T= .140 / .6 LAT= -78.0 U= 1.556 / 2.1 V= 1.665 / 4.3 W= .001874 / 5.1 T= .075 / 2.6 LAT=-66.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-66.0 U= 3.013 / 2.1 V= 1.806 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-66.0 U= 3.013 / 2.0 V= 3.216 / 10.9 W= .005782 / 9.5 T= .387 / 6.5 LAT=-54.0 U= 3.013 / 2.0 V= 3.216 / 10.9 W= .005782 / 9.5 T= .387 / 6.5 LAT=-48.0 U= 3.013 / 2.0 V= 3.216 / 10.9 W= .005782 / 9.5 T= .387 / 6.5 LAT=-48.0 U= 3.024 / 1.9 V= 2.893 / 10.9 W= .007574 / 8.6 T= .764 / 5.8 LAT=-48.0 U= 3.024 / 1.9 V= 2.893 / 10.9 W= .007577 / 7.7 T= .996 / 6.5 LAT=-48.0 U= 3.024 / 1.9 V= 2.893 / 10.9 W= .007577 / 7.7 T= .996 / 6.5 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .007577 / 7.7 T= .991 / 5.0 LAT=-48.0 U= 3.024 / 1.9 V= 2.893 / 10.9 W= .007577 / 7.7 T= .919 / 5.0 LAT=-30.0 U= 1.098 / 2.0 V= .754 / 11.3 W= .008923 / 8.1 T= .580 / 6.5 LAT=-30.0 U= 1.098 / 2.0 V= .754 / 11.3 W= .008977 / 7.7 T= .919 / 5.0
LAT= -6.0 U=
LAT= 0.0 U= 1.016 / 6.3 V= 1.418 / 3.5 W= .003545 / 3.5 T= .681 / .4 LAT= 6.0 U= 1.040 / 6.3 V= .807 / 2.3 W= .004264 / 2.4 T= .781 / 12.0 LAT= 12.0 U= 1.146 / 6.2 V= .849 / 11.5 W= .004382 / 1.4 T= .781 / 12.0 LAT= 18.0 U= 1.306 / 6.1 V= 1.552 / 10.3 W= .003963 / .4 T= .633 / 11.1 LAT= 24.0 U= 1.486 / 6.0 V= 2.112 / 9.7 W= .003817 / 10.9 T= .430 / 10.5 LAT= 30.0 U= 1.565 / 5.6 V= 2.198 / 9.2 W= .004759 / 9.4 T= .230 / 9.4 LAT= 36.0 U= 1.496 / 5.0 V= 1.929 / 8.5 W= .006034 / 8.4 T= .161 / 7.1 LAT= 42.0 U= 1.496 / 5.0 V= 1.632 / 7.4 W= .006666 / 7.8 T= .221 / 5.8 LAT= 48.0 U= 1.443 / 3.3 V= 1.618 / 6.4 W= .006536 / 7.4 T= .225 / 5.2 LAT= 54.0 U= 1.549 / 2.6 V= 1.674 / 5.6 W= .005459 / 7.0 T= .232 / 4.9 LAT= 60.0 U= 1.540 / 2.1 V= 1.636 / 4.9 W= .003881 / 6.3 T= .143 / 4.3 LAT= 60.0 U= 1.591 / 1.4 V= 1.382 / 4.6 W= .003076 / 7.3 T= .256 / 5.5 LAT= 72.0 U= 1.001 / 1.4 V= 1.382 / 4.6 W= .003076 / 7.3 T= .256 / 5.5 LAT= 78.0 U= .573 / 1.4 V= .834 / 3.9 W= .002009 / 3.8 T= .140 / .6 Z= 87.062 KM LAT=-78.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .000995 , 9.7 T= .096 / 6.6 LAT=-66.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .000973 / 9.5 T= .387 / 6.5 LAT=-66.0 U= 3.124 / 1.9 V= 3.216 / 11.0 W= .0007582 / 9.1 T= .580 / 6.9 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .007547 / 8.6 T= .764 / 5.8 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .007547 / 8.6 T= .764 / 5.8 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .007547 / 8.6 T= .764 / 5.8 LAT=-30.0 U= 1.098 / 2.0 V= .754 / 11.3 W= .008977 / 7.7 T= .919 / 5.0 LAT=-30.0 U= .332 / 4.4 V= .908 / 3.9 W= .009735 / 7.2 T= .820 / 4.5
LAT= 6.0 U= 1.040 / 6.3 V= .807 / 2.3 W= .004264 / 2.4 T= .781 / 12.0 LAT= 12.0 U= 1.146 / 6.2 V= .849 / 11.5 W= .004382 / 1.4 T= .750 / 11.5 LAT= 18.0 U= 1.306 / 6.1 V= 1.552 / 10.3 W= .003963 / .4 T= .633 / 11.1 LAT= 24.0 U= 1.486 / 6.0 V= 2.112 / 9.7 W= .003817 / 10.9 T= .430 / 10.5 LAT= 30.0 U= 1.565 / 5.6 V= 2.198 / 9.2 W= .004759 / 9.4 T= .230 / 9.4 LAT= 36.0 U= 1.496 / 5.0 V= 1.929 / 8.5 W= .006034 / 8.4 T= .161 / 7.1 LAT= 42.0 U= 1.409 / 4.2 V= 1.632 / 7.4 W= .006666 / 7.8 T= .221 / 5.8 LAT= 48.0 U= 1.443 / 3.3 V= 1.619 / 6.4 W= .006536 / 7.4 T= .259 / 5.2 LAT= 54.0 U= 1.549 / 2.6 V= 1.674 / 5.6 W= .005536 / 7.4 T= .232 / 4.9 LAT= 60.0 U= 1.549 / 2.6 V= 1.674 / 5.6 W= .005459 / 7.0 T= .232 / 4.9 LAT= 66.0 U= 1.591 / 1.4 V= 1.382 / 4.6 W= .003881 / 6.3 T= .143 / 4.3 LAT= 66.0 U= 1.591 / 1.4 V= 1.382 / 4.6 W= .003881 / 6.3 T= .143 / 4.3 LAT= 72.0 U= 1.001 / 1.4 V= 1.382 / 4.6 W= .003881 / 6.3 T= .140 / .6 LAT= 78.0 U= .573 / 1.4 V= 1.065 / 4.3 W= .001874 / 5.1 T= .075 / 2.6 LAT= -66.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .000995 / 9.7 T= .096 / 6.6 LAT= -72.0 U= 2.015 / 2.1 V= 1.896 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-66.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-66.0 U= 3.013 / 2.0 V= 2.550 / 11.1 W= .002721 / 10.0 T= .251 / 6.9 LAT=-66.0 U= 3.013 / 2.0 V= 3.216 / 10.9 W= .005782 / 9.5 T= .387 / 6.5 LAT=-54.0 U= 3.013 / 2.0 V= 3.216 / 10.9 W= .005782 / 9.5 T= .387 / 6.5 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .007547 / 8.6 T= .764 / 5.8 LAT=-42.0 U= 2.085 / 1.9 V= 2.893 / 10.9 W= .008923 / 8.1 T= .580 / 6.2 LAT=-48.0 U= 2.085 / 1.9 V= 2.893 / 10.9 W= .008927 / 7.7 T= .919 / 5.0 LAT=-30.0 U= .332 / 4.4 V= .908 / 3.9 W= .009735 / 7.2 T= .820 / 4.5
LAT= 12.0 U= 1.146 / 6.2 V= .849 / 11.5 W= .004382 / 1.4 T= .750 / 11.5 LAT= 18.0 U= 1.306 / 6.1 V= 1.552 / 10.3 W= .003963 / .4 T= .633 / 11.1 LAT= 24.0 U= 1.486 / 6.0 V= 2.112 / 9.7 W= .003817 / 10.9 T= .430 / 10.5 LAT= 30.0 U= 1.565 / 5.6 V= 2.198 / 9.2 W= .004759 / 9.4 T= .230 / 9.4 LAT= 36.0 U= 1.496 / 5.0 V= 1.929 / 8.5 W= .006034 / 8.4 T= .161 / 7.1 LAT= 42.0 U= 1.409 / 4.2 V= 1.632 / 7.4 W= .006666 / 7.8 T= .221 / 5.8 LAT= 48.0 U= 1.443 / 3.3 V= 1.619 / 6.4 W= .006536 / 7.4 T= .259 / 5.2 LAT= 54.0 U= 1.549 / 2.6 V= 1.674 / 5.6 W= .005459 / 7.0 T= .232 / 4.9 LAT= 66.0 U= 1.540 / 2.1 V= 1.636 / 4.9 W= .005469 / 7.0 T= .232 / 4.9 LAT= 66.0 U= 1.591 / 1.4 V= 1.382 / 4.6 W= .003881 / 6.3 T= .143 / 4.3 LAT= 72.0 U= 1.001 / 1.4 V= 1.065 / 4.3 W= .001874 / 5.1 T= .075 / 2.6 LAT= 78.0 U= .573 / 1.4 V= .834 / 3.9 W= .00209 / 3.8 T= .140 / .6 LAT=-78.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .000995 , 9.7 T= .096 / 6.6 LAT=-60.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-64.0 U= 3.124 / 1.9 V= 2.550 / 11.1 W= .002721 / 10.0 T= .251 / 6.9 LAT=-64.0 U= 3.124 / 1.9 V= 3.216 / 11.9 W= .004027 / 9.5 T= .387 / 6.5 LAT=-54.0 U= 3.124 / 1.9 V= 2.893 / 10.9 W= .004027 / 9.5 T= .387 / 6.5 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .004027 / 9.5 T= .580 / 6.5 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .005782 / 9.1 T= .580 / 6.5 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .005782 / 9.1 T= .580 / 6.5 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .005782 / 9.1 T= .580 / 6.5 LAT=-40.0 U= 2.085 / 1.9 V= 2.893 / 10.9 W= .006782 / 9.1 T= .580 / 6.5 LAT=-30.0 U= 1.099 / 2.0 V= .754 / 11.3 W= .009877 / 7.7 T= .919 / 5.0 LAT=-30.0 U= .332 / 4.4 V= .908 / 3.9 W= .009735 / 7.2 T= .820 / 4.5
LAT= 18.0 U= 1.306 / 6.1 V= 1.552 / 10.3 W= .003963 / .4 T= .633 / 11.1 LAT= 24.0 U= 1.486 / 6.0 V= 2.112 / 9.7 W= .003817 / 10.9 T= .430 / 10.5 LAT= 30.0 U= 1.565 / 5.6 V= 2.198 / 9.2 W= .004759 / 9.4 T= .230 / 9.4 LAT= 36.0 U= 1.496 / 5.0 V= 1.929 / 8.5 W= .006034 / 8.4 T= .161 / 7.1 LAT= 42.0 U= 1.409 / 4.2 V= 1.632 / 7.4 W= .006666 / 7.8 T= .221 / 5.8 LAT= 48.0 U= 1.443 / 3.3 V= 1.619 / 6.4 W= .006666 / 7.4 T= .259 / 5.2 LAT= 54.0 U= 1.549 / 2.6 V= 1.674 / 5.6 W= .005459 / 7.0 T= .232 / 4.9 LAT= 66.0 U= 1.540 / 2.1 V= 1.636 / 4.9 W= .003881 / 6.3 T= .143 / 4.3 LAT= 66.0 U= 1.591 / 1.4 V= 1.382 / 4.6 W= .003881 / 6.3 T= .143 / 4.3 LAT= 72.0 U= 1.001 / 1.4 V= 1.382 / 4.6 W= .003076 / 7.3 T= .256 / 5.5 LAT= 72.0 U= 1.001 / 1.4 V= 1.065 / 4.3 W= .001874 / 5.1 T= .075 / 2.6 LAT= 78.0 U= .573 / 1.4 V= .834 / 3.9 W= .002009 / 3.8 T= .140 / .6 LAT= -78.0 U= 2.015 / 2.1 V= 1.806 / 11.1 W= .000995 , 9.7 T= .096 / 6.6 LAT= -60.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT= -60.0 U= 3.013 / 2.0 V= 2.550 / 11.1 W= .002721 / 10.0 T= .251 / 6.9 LAT= -60.0 U= 3.013 / 2.0 V= 3.045 / 11.0 W= .004027 / 9.5 T= .387 / 6.5 LAT= -44.0 U= 3.124 / 1.9 V= 3.216 / 10.9 W= .005782 / 9.1 T= .580 / 6.5 LAT= -48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .007547 / 8.6 T= .764 / 5.8 LAT= -40.0 U= 2.085 / 1.9 V= 2.893 / 10.9 W= .008523 / 8.1 T= .580 / 6.5 LAT= -30.0 U= 1.098 / 2.0 V= .754 / 11.3 W= .008977 / 7.7 T= .919 / 5.0 LAT= -30.0 U= .332 / 4.4 V= .908 / 3.9 W= .009735 / 7.2 T= .820 / 4.5
LAT= 24.0 U= 1.486 / 6.0 V= 2.112 / 9.7 W= .003817 / 10.9 T= .430 / 10.5 LAT= 30.0 U= 1.565 / 5.6 V= 2.198 / 9.2 W= .004759 / 9.4 T= .230 / 9.4 LAT= 36.0 U= 1.496 / 5.0 V= 1.929 / 8.5 W= .006034 / 8.4 T= .161 / 7.1 LAT= 42.0 U= 1.409 / 4.2 V= 1.632 / 7.4 W= .006636 / 7.8 T= .221 / 5.8 LAT= 48.0 U= 1.443 / 3.3 V= 1.619 / 6.4 W= .006536 / 7.4 T= .259 / 5.2 LAT= 54.0 U= 1.549 / 2.6 V= 1.674 / 5.6 W= .00536 / 7.0 T= .232 / 4.9 LAT= 60.0 U= 1.540 / 2.1 V= 1.636 / 4.9 W= .003881 / 6.3 T= .143 / 4.3 LAT= 66.0 U= 1.591 / 1.4 V= 1.382 / 4.6 W= .003076 / 7.3 T= .256 / 5.5 LAT= 72.0 U= 1.001 / 1.4 V= 1.382 / 4.6 W= .003076 / 7.3 T= .256 / 5.5 LAT= 78.0 U= .573 / 1.4 V= .834 / 3.9 W= .001874 / 5.1 T= .075 / 2.6 LAT= 78.0 U= .573 / 1.4 V= 1.201 / 11.1 W= .000995 / 9.7 T= .096 / 6.6 LAT= 78.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-66.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .000995 / 9.7 T= .096 / 6.6 LAT=-54.0 U= 3.013 / 2.0 V= 3.045 / 11.0 W= .000727 / 9.5 T= .387 / 6.5 LAT=-54.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .007572 / 9.1 T= .580 / 6.2 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .005782 / 9.1 T= .580 / 6.5 LAT=-42.0 U= 2.085 / 1.9 V= 2.893 / 10.9 W= .007547 / 8.6 T= .764 / 5.8 LAT=-42.0 U= 2.085 / 1.9 V= 2.893 / 10.9 W= .008573 / 7.7 T= .919 / 5.0 LAT=-30.0 U= .332 / 4.4 V= .908 / 3.9 W= .009735 / 7.2 T= .820 / 4.5
LAT= 30.0 U= 1.565 / 5.6 V= 2.198 / 9.2 W= .004759 / 9.4 T= .230 / 9.4 LAT= 36.0 U= 1.496 / 5.0 V= 1.929 / 8.5 W= .006034 / 8.4 T= .161 / 7.1 LAT= 42.0 U= 1.409 / 4.2 V= 1.632 / 7.4 W= .006666 / 7.8 T= .221 / 5.8 LAT= 48.0 U= 1.443 / 3.3 V= 1.619 / 6.4 W= .006536 / 7.4 T= .259 / 5.2 LAT= 54.0 U= 1.549 / 2.6 V= 1.674 / 5.6 W= .005436 / 7.0 T= .232 / 4.9 LAT= 60.0 U= 1.540 / 2.1 V= 1.636 / 4.9 W= .005436 / 7.0 T= .232 / 4.9 LAT= 66.0 U= 1.591 / 1.4 V= 1.382 / 4.6 W= .003881 / 6.3 T= .143 / 4.3 LAT= 66.0 U= 1.591 / 1.4 V= 1.382 / 4.6 W= .003876 / 7.3 T= .256 / 5.5 LAT= 72.0 U= 1.001 / 1.4 V= 1.065 / 4.3 W= .001874 / 5.1 T= .075 / 2.6 LAT= 78.0 U= .573 / 1.4 V= .834 / 3.9 W= .002009 / 3.8 T= .140 / .6 LAT=-78.0 U= 2.586 / 2.0 V= .834 / 3.9 W= .002009 / 3.8 T= .140 / .6 LAT=-66.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-66.0 U= 3.013 / 2.0 V= 2.550 / 11.1 W= .002721 / 10.0 T= .251 / 6.9 LAT=-54.0 U= 3.124 / 1.9 V= 3.216 / 10.9 W= .005782 / 9.1 T= .580 / 6.5 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .004027 / 9.5 T= .387 / 6.5 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .005782 / 9.1 T= .580 / 6.5 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .005782 / 9.1 T= .580 / 6.5 LAT=-42.0 U= 2.085 / 1.9 V= 2.893 / 10.9 W= .008523 / 8.1 T= .589 / 5.5 LAT=-30.0 U= 1.099 / 2.0 V= .754 / 11.3 W= .009877 / 7.7 T= .919 / 5.0 LAT=-30.0 U= .332 / 4.4 V= .908 / 3.9 W= .009735 / 7.2 T= .820 / 4.5
LAT= 36.0 U= 1.496 / 5.0 V= 1.929 / 8.5 W= .006034 / 8.4 T= .161 / 7.1 LAT= 42.0 U= 1.409 / 4.2 V= 1.632 / 7.4 W= .006666 / 7.8 T= .221 / 5.8 LAT= 48.0 U= 1.443 / 3.3 V= 1.619 / 6.4 W= .006536 / 7.4 T= .259 / 5.2 LAT= 54.0 U= 1.549 / 2.6 V= 1.674 / 5.6 W= .005459 / 7.0 T= .232 / 4.9 LAT= 60.0 U= 1.540 / 2.1 V= 1.636 / 4.9 W= .003881 / 6.3 T= .143 / 4.3 LAT= 66.0 U= 1.591 / 1.4 V= 1.382 / 4.6 W= .003076 / 7.3 T= .256 / 5.5 LAT= 72.0 U= 1.001 / 1.4 V= 1.085 / 4.3 W= .001874 / 5.1 T= .075 / 2.6 LAT= 78.0 U= .573 / 1.4 V= .834 / 3.9 W= .002099 / 3.8 T= .140 / .6 LAT= 78.0 U= 2.015 / 2.1 V= 1.806 / 11.1 W= .000995 , 9.7 T= .096 / 6.6 LAT= 72.0 U= 2.015 / 2.1 V= 1.806 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT= -66.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .002721 / 10.0 T= .251 / 6.9 LAT= -64.0 U= 3.124 / 1.9 V= 3.216 / 11.0 W= .004027 / 9.5 T= .387 / 6.5 LAT= -44.0 U= 3.124 / 1.9 V= 3.216 / 10.9 W= .005782 / 9.1 T= .580 / 6.5 LAT= -48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .005782 / 9.1 T= .580 / 6.5 LAT= -40.0 U= 2.085 / 1.9 V= 2.893 / 10.9 W= .005782 / 9.1 T= .580 / 6.5 LAT= -40.0 U= 2.085 / 1.9 V= 2.893 / 10.9 W= .008923 / 8.1 T= .580 / 6.5 LAT= -30.0 U= 1.098 / 2.0 V= .754 / 11.3 W= .008977 / 7.7 T= .919 / 5.0 LAT= -30.0 U= .332 / 4.4 V= .908 / 3.9 W= .009735 / 7.2 T= .820 / 4.5
LAT= 42.0 U= 1.409 / 4.2 V= 1.632 / 7.4 W= .006666 / 7.8 T= .221 / 5.8 LAT= 48.0 U= 1.443 / 3.3 V= 1.619 / 6.4 W= .006536 / 7.4 T= .259 / 5.2 LAT= 54.0 U= 1.549 / 2.6 V= 1.674 / 5.6 W= .005459 / 7.0 T= .232 / 4.9 LAT= 60.0 U= 1.540 / 2.1 V= 1.636 / 4.9 W= .003881 / 6.3 T= .143 / 4.3 LAT= 66.0 U= 1.591 / 1.4 V= 1.382 / 4.6 W= .003076 / 7.3 T= .256 / 5.5 LAT= 72.0 U= 1.001 / 1.4 V= 1.382 / 4.6 W= .003076 / 7.3 T= .256 / 5.5 LAT= 78.0 U= .573 / 1.4 V= .834 / 3.9 W= .001874 / 5.1 T= .075 / 2.6 LAT= 78.0 U= .573 / 1.4 V= .834 / 3.9 W= .002099 / 3.8 T= .140 / .6 LAT= 78.0 U= .573 / 1.4 V= 1.201 / 11.1 W= .000995 , 9.7 T= .096 / 6.6 LAT= 72.0 U= 2.015 / 2.1 V= 1.896 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-66.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-66.0 U= 3.013 / 2.0 V= 3.045 / 11.0 W= .002721 / 10.0 T= .251 / 6.9 LAT=-54.0 U= 3.124 / 1.9 V= 3.216 / 10.9 W= .005782 / 9.1 T= .580 / 6.5 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .005782 / 9.1 T= .580 / 6.5 LAT=-42.0 U= 2.085 / 1.9 V= 2.893 / 10.9 W= .005782 / 9.1 T= .580 / 6.5 LAT=-42.0 U= 2.085 / 1.9 V= 2.893 / 10.9 W= .008923 / 8.1 T= .580 / 6.5 LAT=-30.0 U= .332 / 4.4 V= .908 / 3.9 W= .009777 / 7.7 T= .919 / 5.0 LAT=-30.0 U= .332 / 4.4 V= .908 / 3.9 W= .009735 / 7.2 T= .820 / 4.5
LAT= 48.0 U= 1.443 / 3.3 V= 1.619 / 6.4 W= .006536 / 7.4 T= .259 / 5.2 LAT= 54.0 U= 1.549 / 2.6 V= 1.674 / 5.6 W= .005459 / 7.0 T= .232 / 4.9 LAT= 60.0 U= 1.540 / 2.1 V= 1.636 / 4.9 W= .003881 / 6.3 T= .143 / 4.3 LAT= 66.0 U= 1.591 / 1.4 V= 1.382 / 4.6 W= .003076 / 7.3 T= .256 / 5.5 LAT= 72.0 U= 1.001 / 1.4 V= 1.065 / 4.3 W= .001874 / 5.1 T= .075 / 2.6 LAT= 78.0 U= .573 / 1.4 V= .834 / 3.9 W= .002009 / 3.8 T= .140 / .6 LAT=-78.0 U= .573 / 1.4 V= .834 / 3.9 W= .002009 / 3.8 T= .140 / .6 LAT=-72.0 U= 2.015 / 2.1 V= 1.806 / 11.1 W= .000995 , 9.7 T= .096 / 6.6 LAT=-60.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-60.0 U= 3.013 / 2.0 V= 3.045 / 11.0 W= .002721 / 10.0 T= .251 / 6.9 LAT=-54.0 U= 3.124 / 1.9 V= 3.216 / 10.9 W= .005782 / 9.1 T= .580 / 6.5 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .005787 / 8.6 T= .764 / 5.8 LAT=-42.0 U= 2.085 / 1.9 V= 2.893 / 10.9 W= .005787 / 7.7 T= .919 / 5.0 LAT=-30.0 U= 1.099 / 2.0 V= .754 / 11.3 W= .009877 / 7.7 T= .919 / 5.0 LAT=-30.0 U= .332 / 4.4 V= .908 / 3.9 W= .009735 / 7.2 T= .820 / 4.5
LAT= 54.0 U= 1.549 / 2.6 V= 1.674 / 5.6 W= .005459 / 7.0 T= .232 / 4.9 LAT= 60.0 U= 1.540 / 2.1 V= 1.636 / 4.9 W= .003881 / 6.3 T= .143 / 4.3 LAT= 66.0 U= 1.591 / 1.4 V= 1.382 / 4.6 W= .003076 / 7.3 T= .256 / 5.5 LAT= 72.0 U= 1.001 / 1.4 V= 1.065 / 4.3 W= .001874 / 5.1 T= .075 / 2.6 LAT= 78.0 U= .573 / 1.4 V= .834 / 3.9 W= .002009 / 3.8 T= .140 / .6 Z= 87.062 KM LAT=-78.0 U= 1.354 / 2.1 V= 1.201 / 11.1 W= .000995 , 9.7 T= .096 / 6.6 LAT=-72.0 U= 2.015 / 2.1 V= 1.806 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-60.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .002721 / 10.0 T= .251 / 6.9 LAT=-54.0 U= 3.124 / 1.9 V= 3.216 / 10.9 W= .005782 / 9.1 T= .580 / 6.5 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .005782 / 9.1 T= .580 / 6.5 LAT=-42.0 U= 2.085 / 1.9 V= 2.893 / 10.9 W= .005782 / 9.1 T= .580 / 6.5 LAT=-30.0 U= 1.098 / 2.0 V= .754 / 11.3 W= .008923 / 8.1 T= .879 / 5.5 LAT=-30.0 U= .332 / 4.4 V= .908 / 3.9 W= .009775 / 7.2 T= .820 / 4.5
LAT = 60.0 U = 1.540 / 2.1 V = 1.636 / 4.9 W = .003881 / 6.3 T = .143 / 4.3 LAT = 66.0 U = 1.591 / 1.4 V = 1.382 / 4.6 W = .003076 / 7.3 T = .256 / 5.5 LAT = 72.0 U = 1.001 / 1.4 V = 1.382 / 4.6 W = .001874 / 5.1 T = .075 / 2.6 LAT = 78.0 U = .573 / 1.4 V = .834 / 3.9 W = .001874 / 5.1 T = .075 / 2.6 LAT = 78.0 U = .573 / 1.4 V = .834 / 3.9 W = .002009 / 3.8 T = .140 / .6 LAT = -78.0 U = 1.354 / 2.1 V = 1.201 / 11.1 W = .000995 , 9.7 T = .096 / 6.6 LAT = -72.0 U = 2.015 / 2.1 V = 1.896 / 11.1 W = .001928 / 10.0 T = .180 / 6.9 LAT = -66.0 U = 2.586 / 2.0 V = 2.550 / 11.1 W = .002721 / 10.0 T = .251 / 6.9 LAT = -60.0 U = 3.013 / 2.0 V = 3.045 / 11.0 W = .004027 / 9.5 T = .387 / 6.5 LAT = 54.0 U = 3.124 / 1.9 V = 3.216 / 10.9 W = .005782 / 9.1 T = .580 / 6.2 LAT = -48.0 U = 2.784 / 1.9 V = 2.893 / 10.9 W = .005782 / 9.1 T = .580 / 6.2 LAT = -42.0 U = 2.085 / 1.9 V = 2.693 / 10.9 W = .008923 / 8.1 T = .879 / 5.5 LAT = -30.0 U = 1.099 / 2.0 V = .754 / 11.3 W = .008977 / 7.7 T = .919 / 5.0 LAT = -30.0 U = .332 / 4.4 V = .908 / 3.9 W = .009735 / 7.2 T = .820 / 4.5
LAT= 66.0 U= 1.591 / 1.4 V= 1.382 / 4.6 W= .003076 / 7.3 T= .256 / 5.5 LAT= 72.0 U= 1.001 / 1.4 V= 1.065 / 4.3 W= .001874 / 5.1 T= .075 / 2.6 LAT= 78.0 U= .573 / 1.4 V= .834 / 3.9 W= .002009 / 3.8 T= .140 / .6 LAT=-78.0 U= 1.354 / 2.1 V= 1.201 / 11.1 W= .000995 , 9.7 T= .096 / 6.6 LAT=-72.0 U= 2.015 / 2.1 V= 1.806 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-66.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .002721 / 10.0 T= .251 / 6.9 LAT=-60.0 U= 3.013 / 2.0 V= 3.045 / 11.0 W= .002721 / 10.0 T= .387 / 6.5 LAT=-54.0 U= 3.124 / 1.9 V= 3.216 / 10.9 W= .005782 / 9.1 T= .580 / 6.2 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .005782 / 9.1 T= .580 / 6.2 LAT=-42.0 U= 2.085 / 1.9 V= 2.052 / 10.9 W= .008523 / 8.1 T= .879 / 5.5 LAT=-30.0 U= 1.098 / 2.0 V= .754 / 11.3 W= .008977 / 7.7 T= .919 / 5.0 LAT=-30.0 U= .332 / 4.4 V= .908 / 3.9 W= .009735 / 7.2 T= .820 / 4.5
LAT= 72.0 U= 1.001 / 1.4 V= 1.065 / 4.3 W= .001874 / 5.1 T= .075 / 2.6 LAT= 78.0 U= .573 / 1.4 V= .834 / 3.9 W= .002009 / 3.8 T= .140 / .6 Z= 87.062 KM LAT=-78.0 U= 1.354 / 2.1 V= 1.201 / 11.1 W= .000995 , 9.7 T= .096 / 6.6 LAT=-72.0 U= 2.015 / 2.1 V= 1.806 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-66.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .002721 / 10.0 T= .251 / 6.9 LAT=-60.0 U= 3.013 / 2.0 V= 3.045 / 11.0 W= .004027 / 9.5 T= .387 / 6.5 LAT=-54.0 U= 3.124 / 1.9 V= 3.216 / 10.9 W= .005782 / 9.1 T= .580 / 6.2 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .005782 / 9.1 T= .580 / 6.2 LAT=-42.0 U= 2.085 / 1.9 V= 2.052 / 10.9 W= .008523 / 8.1 T= .879 / 5.5 LAT=-30.0 U= 1.098 / 2.0 V= .754 / 11.3 W= .009877 / 7.7 T= .919 / 5.0 LAT=-30.0 U= .332 / 4.4 V= .908 / 3.9 W= .009735 / 7.2 T= .820 / 4.5
LAT= 78.0 U= .573 / 1.4 V= .834 / 3.9 W= .002009 / 3.8 T= .140 / .6 Z= 87.062 KM LAT=-78.0 U= 1.354 / 2.1 V= 1.201 / 11.1 W= .000995 , 9.7 T= .096 / 6.6 LAT=-72.0 U= 2.015 / 2.1 V= 1.896 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-66.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .002721 / 10.0 T= .251 / 6.9 LAT=-60.0 U= 3.013 / 2.0 V= 3.045 / 11.0 W= .004027 / 9.5 T= .387 / 6.5 LAT=-54.0 U= 3.124 / 1.9 V= 3.216 / 10.9 W= .005782 / 9.1 T= .580 / 6.2 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .005782 / 9.1 T= .580 / 6.2 LAT=-42.0 U= 2.085 / 1.9 V= 2.693 / 10.9 W= .005747 / 8.6 T= .764 / 5.8 LAT=-30.0 U= 1.099 / 2.0 V= .754 / 11.3 W= .008977 / 7.7 T= .879 / 5.5 LAT=-30.0 U= .332 / 4.4 V= .908 / 3.9 W= .009735 / 7.2 T= .820 / 4.5
Z= 87.062 KM LAT=-78.0 U= 1.354 / 2.1 V= 1.201 / 11.1 W= .000995 , 9.7 T= .096 / 6.6 LAT=-72.0 U= 2.015 / 2.1 V= 1.806 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-66.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .002721 / 10.0 T= .251 / 6.9 LAT=-60.0 U= 3.013 / 2.0 V= 3.045 / 11.0 W= .004027 / 9.5 T= .387 / 6.5 LAT=-54.0 U= 3.124 / 1.9 V= 3.216 / 10.9 W= .005782 / 9.1 T= .580 / 6.2 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .005782 / 9.1 T= .580 / 6.2 LAT=-42.0 U= 2.085 / 1.9 V= 2.693 / 10.9 W= .00593 / 8.1 T= .764 / 5.8 LAT=-30.0 U= 1.098 / 2.0 V= .754 / 11.3 W= .008927 / 7.7 T= .919 / 5.0 LAT=-30.0 U= .332 / 4.4 V= .908 / 3.9 W= .009735 / 7.2 T= .820 / 4.5
LAT=-78.0 U= 1.354 / 2.1 V= 1.201 / 11.1 W= .000995 , 9.7 T= .096 / 6.6 LAT=-72.0 U= 2.015 / 2.1 V= 1.806 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-66.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .002721 / 10.0 T= .251 / 6.9 LAT=-60.0 U= 3.013 / 2.0 V= 3.045 / 11.0 W= .004027 / 9.5 T= .387 / 6.5 LAT=-54.0 U= 3.124 / 1.9 V= 3.216 / 10.9 W= .005782 / 9.1 T= .580 / 6.2 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .005782 / 9.1 T= .580 / 6.2 LAT=-42.0 U= 2.085 / 1.9 V= 2.052 / 10.9 W= .008923 / 8.1 T= .879 / 5.5 LAT=-30.0 U= 1.098 / 2.0 V= .754 / 11.3 W= .009877 / 7.7 T= .919 / 5.0 LAT=-30.0 U= .332 / 4.4 V= .908 / 3.9 W= .009735 / 7.2 T= .820 / 4.5
LAT=-78.0 U= 1.354 / 2.1 V= 1.201 / 11.1 W= .000995 , 9.7 T= .096 / 6.6 LAT=-72.0 U= 2.015 / 2.1 V= 1.806 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-66.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .002721 / 10.0 T= .251 / 6.9 LAT=-60.0 U= 3.013 / 2.0 V= 3.045 / 11.0 W= .004027 / 9.5 T= .387 / 6.5 LAT=-54.0 U= 3.124 / 1.9 V= 3.216 / 10.9 W= .005782 / 9.1 T= .580 / 6.2 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .005782 / 9.1 T= .580 / 6.2 LAT=-42.0 U= 2.085 / 1.9 V= 2.052 / 10.9 W= .008923 / 8.1 T= .879 / 5.5 LAT=-30.0 U= 1.098 / 2.0 V= .754 / 11.3 W= .009877 / 7.7 T= .919 / 5.0 LAT=-30.0 U= .332 / 4.4 V= .908 / 3.9 W= .009735 / 7.2 T= .820 / 4.5
LAT=-72.0 U= 2.015 / 2.1 V= 1.806 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-66.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .002721 / 10.0 T= .251 / 6.9 LAT=-60.0 U= 3.013 / 2.0 V= 3.045 / 11.0 W= .004027 / 9.5 T= .387 / 6.5 LAT=-54.0 U= 3.124 / 1.9 V= 3.216 / 10.9 W= .005782 / 9.1 T= .580 / 6.2 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .005782 / 9.1 T= .580 / 6.2 LAT=-42.0 U= 2.085 / 1.9 V= 2.052 / 10.9 W= .005747 / 8.6 T= .764 / 5.8 LAT=-36.0 U= 1.098 / 2.0 V= .754 / 11.3 W= .008923 / 8.1 T= .879 / 5.5 LAT=-30.0 U= .332 / 4.4 V= .908 / 3.9 W= .009735 / 7.2 T= .820 / 4.5
LAT=-72.0 U= 2.015 / 2.1 V= 1.806 / 11.1 W= .001928 / 10.0 T= .180 / 6.9 LAT=-66.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .002721 / 10.0 T= .251 / 6.9 LAT=-60.0 U= 3.013 / 2.0 V= 3.045 / 11.0 W= .004027 / 9.5 T= .387 / 6.5 LAT=-54.0 U= 3.124 / 1.9 V= 3.216 / 10.9 W= .005782 / 9.1 T= .580 / 6.5 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .005782 / 9.1 T= .580 / 6.2 LAT=-42.0 U= 2.085 / 1.9 V= 2.893 / 10.9 W= .005747 / 8.6 T= .764 / 5.8 LAT=-36.0 U= 1.098 / 2.0 V= .754 / 11.3 W= .008923 / 8.1 T= .879 / 5.5 LAT=-36.0 U= 1.098 / 2.0 V= .754 / 11.3 W= .008927 / 7.7 T= .919 / 5.0 LAT=-30.0 U= .332 / 4.4 V= .908 / 3.9 W= .009735 / 7.2 T= .820 / 4.5
LAT=-66.0 U= 2.586 / 2.0 V= 2.550 / 11.1 W= .002721 / 10.0 T= .251 / 6.9 LAT=-60.0 U= 3.013 / 2.0 V= 3.045 / 11.0 W= .004027 / 9.5 T= .387 / 6.5 LAT=-54.0 U= 3.124 / 1.9 V= 3.216 / 10.9 W= .005782 / 9.1 T= .580 / 6.2 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .007547 / 8.6 T= .764 / 5.8 LAT=-42.0 U= 2.085 / 1.9 V= 2.052 / 10.9 W= .008923 / 8.1 T= .879 / 5.5 LAT=-30.0 U= 1.098 / 2.0 V= .754 / 11.3 W= .009877 / 7.7 T= .919 / 5.0 LAT=-30.0 U= .332 / 4.4 V= .908 / 3.9 W= .009735 / 7.2 T= .820 / 4.5
LAT=-54.0 U= 3.124 / 1.9 V= 3.216 / 10.9 W= .005782 / 9.1 T= .580 / 6.2 LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .007547 / 8.6 T= .764 / 5.8 LAT=-42.0 U= 2.085 / 1.9 V= 2.052 / 10.9 W= .008923 / 8.1 T= .879 / 5.5 LAT=-36.0 U= 1.098 / 2.0 V= .754 / 11.3 W= .008927 / 7.7 T= .919 / 5.0 LAT=-30.0 U= .332 / 4.4 V= .908 / 3.9 W= .009735 / 7.2 T= .820 / 4.5
LAT=-48.0 U= 2.784 / 1.9 V= 2.893 / 10.9 W= .007547 / 8.6 T= .764 / 5.8 LAT=-42.0 U= 2.085 / 1.9 V= 2.052 / 10.9 W= .008923 / 8.1 T= .879 / 5.5 LAT=-30.0 U= 1.098 / 2.0 V= .754 / 11.3 W= .008977 / 7.7 T= .919 / 5.0 LAT=-30.0 U= .332 / 4.4 V= .908 / 3.9 W= .009735 / 7.2 T= .820 / 4.5
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
LAT=-30.0 U= .332 / 4.4 V= .908 / 3.9 W= .009735 / 7.2 T= .820 / 4.5

LAT= -24.0 U= $.937$ / 6.5 V= 2.279 / 4.1 W= $.008360$ / 6.5 T= $.646$ / 3.5
LAT=-18.0 U= 1.422 / 6.5 V= 3.072 / 4.0 W= .006155 / 5.4 T= .606 / 1.8
LAT=-12.0 U= 1.652 / 6.4 V= 3.097 / 3.7 W= .005119 / 3.8 T= .825 / .5
LAT= -6.0 U= 1.678 / 6.2 V= 2.474 / 3.1 W= .006360 / 2.1 T \neq 1.104 / 11.7
LAT= 0.0 U= 1.668 / 6.0 V= 1.627 / 2.0 W= .008438 / 1.1 T# 1.271 / 11.1
LAT= 6.0 U= 1.720 / 6.0 V= 1.478 / 12.0 W= .009294 / .2 T= 1.235 / 10.6
LAT= 12.0 U= 1.853 / 5.8 V= 1.966 / 10.5 w= .008438 / 11.5 T= .999 / 10.2
LAT= 18.0 U= 1.988 / 5.6 V= 2.502 / 9.6 W= .006501 / 10.5 T= .653 / 10.0
LAT= 24.0 U= 2.106 / 5.4 V= 2.835 / 8.8 W= .005590 / 8.8 T# .218 / 9.9
LAT= 30.0 U= 2.117 / 5.0 V= 2.954 / 8.1 W= .007007 / 7.3 T= .199 / 2.5
LAT= 36.0 U= 1.927 / 4.6 V= 2.668 / 7.6 w= .008582 / 6.4 T= .447 / 2.6
LAT= 42.0 U= 1.439 / 4.2 V= 1.934 / 7.2 w= .008620 / 5.8 T= .536 / 2.4
LAT = 48.0 U = .743 / 3.8 V = .964 / 6.9 x = .007577 / 5.3 T = .513 / 2.2
LAT= 54.0 U= .18! / 10.9 V= .190 / 1.6 W= .005465 / 4.8 T= .405 / 1.9
LAT= 60.0 U= .957 / 9.7 V= 1.104 / .8 W= .004111 / 4.0 T= .340 / 1.4
LAT= 66.0 U= 1.764 / 10.2 V= 1.600 / .5 W= .000165 / 4.4 T= .186 / 5.0
LAT= 72.0 U= 1.697 / 9.0 V= 1.664 / .4 w= .002844 / 3.0 T# .245 / .7
LAT * 78.0 U= 1.408 / 8.6 V= 1.386 / .7 W= .003348 / 3.2 T# .356 / .5

Table B6. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78° S to 78° N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

z= 93.36 3	KM							
_				2 222 / - 7			_	
LAT=-78.0	U=	3.968 /	.4 V=	3.698 / 9.5	W=	.001807 / 6.8	T =	.154 / 4.0
LAT=-72.0	U≃	5.562 /	.3 V=	5.299 / 9.4	W=	.003339 / 6.7	T =	.267 / 4.0
LAT=-66.0	U≠	6.439 /	.2 V=	6.477 / 9.2	W =	.004648 / 6.5	7=	.359 / 3.9
LAT=-60.0	U=	6.746 / 12		6.989 / 9.0	W =	.008289 / 6.2	Ţ=	.649 / 3.0
LAT=-54.0	U=	6.261 / 11		6.606 / B.7	₩=	.013137 / 6.1	T≖	1.032 / 3.4
LAT=-48.0	U≖	4.945 / 11		5.270 / 8.4	W =	.018345 / 5.8	T=	1.445 / 3.2
LAT = -42.0	U=	3.247 / 11		3.306 / 7.8	W=	.022221 / 5.7	T=	1.747 / 3.4
LAT=-36.0	U=		0.6 V=	2.056 / 5.6	₩≈	.023921 / 5.5	T=	1.902 / 2.8
LAT=-30.0	U=		.4 V=	3.523 / 3.7	W=	.021632 / 5.2	T=	1.762 / 2.5
LAT=-24.0	U=		.4 V=	5.086 / 3.0	W=	.015419 / 4.7	T =	1.375 / 1.8
LAT=-18.0	U=		.9 V=	5.450 / 2.5	W=	.008819 / 3.4	T=	1.087 / .9
LAT=-12.0	U=		.6 V=	4.695 / 2.0	W=	.009417 / 1.2	T≖	1.257 / 11.
LAT= -6.0	U=		.4 V=	3.167 / 1.1	W=	.014932 / .1	Τ=	1.636 / 10.3
LAT= 0.0	U=		.3 V≖	2.009 / 11.5	₩=	.017229 / 11.6	T=	1.757 / 9.9
LAT= 6.0	U≈		.3 V=	2.268 / 9.5	W=	.015388 / 10.9	Ţ×	1.481 / 9.0
LAT= 12.0	U=		1 V=	2.865 / 8.3	W=	.011268 / 10.0	T=	.898 / 9.9
LAT= 18.0	U±		.0 V=	3.272 / 7.7	W=	.009032 / 8.6	T=	.290 / 10.
LAT= 24.0	U=		.8 v=	3.218 / 7.2	W=	.009809 / 7.2	T=	.426 / 1.9
LAT= 30.0	U=		.7 V=	2.744 / 7.1	W=	.011051 / 6.2	T =	.808 / 2.0
LAT= 36.0	U=		5.2 V=	2.210 / 7.7	W=	.010360 / 5.5	T =	.916 / 1.1
LAT= 42.0	บ≖		6.0 V=	2.543 / 8.9	W=	.008308 / 4.7	T =	.828 / 1.3
LAT= 48.0	U=		5.5 V≖	3.515 / 9.5	W=	.006657 / 3.8	T=	.674 / .1
LAT= 54.0	ປ≖		.7 V=	4.428 / 9.7	W=	.005503 / 2.7	T =	.526 / 12.0
AT= 60.0	U=	4.786 / 6	i.7 V≠	4.707 / 9.7	W=	.005342 / 2.0	T =	.507 / 11.9
	11-	3.195 / 6	.8 V=	4.476 / 9.6	W=	.003355 / 1.0	T≃	.201 / 8.
LAT= 66.0	U=	3.133 / 9						
	U=		.5 V=	3.709 / 9.5	W=	.003383 / 1.1	T =	.310 / 10.9
LAT= 66.0 LAT= 72.0 LAT= 78.0		4.730 / 6			W=	.003383 / 1.1	T =	.310 / 10.9
LAT= 72.0	U= U=	4.730 / 6	.5 V=	3.709 / 9.5				
LAT = 72.0 LAT = 78.0 Z = 96.638	U= U=	4.730 / 6 4.155 / 6	5.5 V= 5.5 V=	3.709 / 9.5 2.032 / 9.4	W=	.002403 / 1.6	T=	.368 / 11.6
LAT = 72.0 LAT = 78.0 Z = 96.638 LAT = -78.0	U= U= KM	4.730 / 6 4.155 / 6 6.426 / 10	.5 V= .5 V=	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2	W=	.002403 / 1.6		.368 / 11.6
LAT = 72.0 LAT = 78.0 Z = 96.638 LAT = -78.0 LAT = -72.0	U= U= KM	4.730 / 6 4.155 / 6 6.426 / 10 9.310 / 10	.5 V= .5 V=	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2 8.492 / 7.1	W = W =	.002403 / 1.6 .003187 / 5.0 .005829 / 5.0	T= T= T=	.368 / 11.6 .325 / 2.3 .581 / 2.3
LAT = 72.0 LAT = 78.0 Z = 96.638 LAT = 78.0 LAT = -72.0 LAT = -66.0	U= U= KM U= U=	4.730 / 6 4.155 / 6 6.426 / 10 9.310 / 10 11.281 / 9	.5 V= .5 V=	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2 8.492 / 7.1 10.917 / 7.1	W= W= W=	.002403 / 1.6 .003187 / 5.0 .005829 / 5.0 .008012 / 4.8	T= T= T= T=	.368 / 11.0 .325 / 2.1 .581 / 2.1 .796 / 1.1
LAT= 72.0 LAT= 78.0 Z= 96.638 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0	U= U= KM U= U= U= U=	4.730 / 6 4.155 / 6 6.426 / 10 9.310 / 10 11.281 / 9 12.607 / 9	1.5 V= 1.5 V= 1.2 V= 1.1 V= 1.9 V=	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2 8.492 / 7.1 10.917 / 7.1 12.461 / 7.0	W = W = W = W = W = W = W = W = W = W =	.002403 / 1.6 .003187 / 5.0 .005829 / 5.0 .008012 / 4.8 .013372 / 4.6	T= T= T= T=	.368 / 11.6 .325 / 2.5 .581 / 2.5 .796 / 1.5 1.380 / 1.5
LAT = 72.0 LAT = 78.0 Z = 96.638 LAT = -78.0 LAT = -72.0 LAT = -66.0 LAT = -60.0 LAT = -54.0	U= U= KM U= U= U= U=	4.730 / 6 4.155 / 6 6.426 / 10 9.310 / 10 11.281 / 9 12.607 / 9 12.440 / 9	7.5 V= 7.5 V= 7.1 V= 7.9 V= 7.9 V= 7.8 V=	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2 8.492 / 7.1 10.917 / 7.1 12.461 / 7.0 12.638 / 6.8	W	.002403 / 1.6 .003187 / 5.0 .005829 / 5.0 .008012 / 4.8 .013372 / 4.6 .019866 / 4.6	T= T= T= T= T=	.368 / 11.0 .325 / 2.5 .581 / 2.5 .796 / 1.5 1.380 / 1.5 2.075 / 1.5
LAT = 72.0 LAT = 78.0 Z = 96.638 LAT = -78.0 LAT = -72.0 LAT = -66.0 LAT = -60.0 LAT = -54.0 LAT = -48.0	U= U= KM U= U= U= U= U=	4.730 / 6 4.155 / 6 6.426 / 10 9.310 / 10 11.281 / 9 12.607 / 9 12.440 / 9 10.651 / 9	7.5 V= 7.5 V= 7.1 V= 7.9 V= 7.8 V= 7.6 V=	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2 8.492 / 7.1 10.917 / 7.1 12.461 / 7.0 12.638 / 6.8 11.059 / 6.6		.002403 / 1.6 .003187 / 5.0 .005829 / 5.0 .008012 / 4.8 .013372 / 4.6 .019866 / 4.6 .026855 / 4.5	T= T= T= T= T=	.368 / 11.6 .325 / 2 .581 / 2 .796 / 1.9 1.380 / 1.9 2.075 / 1.9 2.827 / 1.6
AT = 72.0 AT = 78.0 Z = 96.638 AT = 78.0 AT = 72.0 AT = 766.0 AT = 66.0 AT = 54.0 AT = 48.0 AT = 48.0	U= U= KM U= U= U= U= U= U=	4.730 / 6 4.155 / 6 6.426 / 10 9.310 / 10 11.281 / 9 12.607 / 9 12.440 / 9 10.651 / 9 7.918 / 9	7.5 V= 7.5 V= 7.1 V= 7.9 V= 7.8 V= 7.8 V= 7.8 V= 7.8 V=	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2 8.492 / 7.1 10.917 / 7.1 12.461 / 7.0 12.638 / 6.8 11.059 / 6.6 8.035 / 6.3		.002403 / 1.6 .003187 / 5.0 .005829 / 5.0 .008012 / 4.8 .013372 / 4.6 .019866 / 4.6 .026855 / 4.5 .031834 / 4.4	T= T= T= T= T= T=	.368 / 11.0 .325 / 2.: .581 / 2.: .796 / 1.: 1.380 / 1.: 2.075 / 1.: 2.827 / 1.: 3.350 / 1.:
AT = 72.0 AT = 78.0 Z = 96.638 AT = -78.0 AT = -72.0 AT = -66.0 AT = -66.0 AT = -54.0 AT = -48.0 AT = -48.0 AT = -48.0 AT = -36.0	U= U= U= U= U= U= U= U= U= U= U= U=	4.730 / 6 4.155 / 6 6.426 / 10 9.310 / 10 11.281 / 9 12.607 / 9 12.440 / 9 10.651 / 9 7.918 / 9 4.865 / 8	7.5 V= 7.5 V= 7.1 V= 7.9 V= 7.8 V= 7.8 V= 7.5 V=	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2 8.492 / 7.1 10.917 / 7.1 12.461 / 7.0 12.638 / 6.8 11.059 / 6.6 8.035 / 6.3 4.379 / 5.3	**************************************	.002403 / 1.6 .003187 / 5.0 .005829 / 5.0 .008012 / 4.8 .013372 / 4.6 .019866 / 4.6 .026855 / 4.5 .031834 / 4.4 .033856 / 4.3	T= T= T= T= T= T= T=	.368 / 11.0 .325 / 2.581 / 2.796 / 1.1 1.380 / 1.1 2.075 / 1.1 2.075 / 1.3 3.350 / 1.3 3.563 / 1.5
AT = 72.0 AT = 78.0 Z = 96.638 .AT = -78.0 .AT = -72.0 .AT = -66.0 .AT = -66.0 .AT = -54.0 .AT = -48.0 .AT = -42.0 .AT = -36.0	U= U= U= U= U= U= U= U= U= U= U= U= U=	4.730 / 6 4.155 / 6 6.426 / 10 9.310 / 10 11.281 / 9 12.607 / 9 12.440 / 9 10.651 / 9 7.918 / 9 4.865 / 8 3.372 / 7	V= V	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2 8.492 / 7.1 10.917 / 7.1 12.461 / 7.0 12.638 / 6.8 11.059 / 6.6 8.035 / 6.3 4.379 / 5.3 4.437 / 2.9	**************************************	.002403 / 1.6 .003187 / 5.0 .005829 / 5.0 .008012 / 4.8 .013372 / 4.6 .019866 / 4.6 .026855 / 4.5 .031834 / 4.4 .033856 / 4.3 .030389 / 4.2	T= T= T= T= T= T= T= T= T=	.368 / 11.0 .325 / 2581 / 2796 / 1.1 1.380 / 1.1 2.075 / 1.1 2.827 / 1.1 3.350 / 1.1 3.533 / 1.1
AT = 72.0 AT = 78.0 2 = 96.638 AT = -78.0 AT = -72.0 AT = -66.0 AT = -66.0 AT = -54.0 AT = -48.0 AT = -36.0 AT = -36.0 AT = -36.0 AT = -36.0 AT = -24.0	U= U= KM U== U== U== U== U== U==	4.730 / 6 4.155 / 6 6.426 / 10 9.310 / 10 11.281 / 9 12.607 / 9 12.440 / 9 12.440 / 9 12.440 / 9 14.865 / 8 3.72 / 7 3.996 / 5	.5 V= .5 V= 5 V= V= V= V= V= V= V= V=	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2 8.492 / 7.1 10.917 / 7.1 12.461 / 7.0 12.638 / 6.8 11.059 / 6.6 8.035 / 6.3 4.379 / 5.3 4.377 / 2.9 7.420 / 2.0	**************************************	.002403 / 1.6 .003187 / 5.0 .005829 / 5.0 .008012 / 4.8 .013372 / 4.6 .019866 / 4.6 .026855 / 4.5 .031834 / 4.4 .033856 / 4.3 .030389 / 4.2 .021035 / 3.9	T=	.368 / 11.0 .325 / 2581 / 2796 / 1 1.380 / 1 2.075 / 1 2.827 / 1 3.350 / 1 3.563 / 1 3.221 / 1 2.391 /
AT = 72.0 AT = 78.0 2 = 96.638 AT = -78.0 AT = -72.0 AT = -66.0 AT = -54.0 AT = -48.0 AT = -48.0 AT = -36.0 AT = -36.0 AT = -36.0 AT = -36.0 AT = -36.0 AT = -36.0	U= U= KM U== U== U== U== U== U== U==	4.730 / 6 4.155 / 6 6.426 / 10 9.310 / 10 11.281 / 9 12.681 / 9 12.440 / 9 10.651 / 9 7.918 4.865 / 8 3.372 / 7 3.965 / 8	V= V	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2 8.492 / 7.1 10.917 / 7.1 12.461 / 7.0 12.638 / 6.8 11.059 / 6.6 8.035 / 6.3 4.379 / 5.3 4.437 / 2.9 7.420 / 2.0 8.777 / 1.7	**************************************	.002403 / 1.6 .003187 / 5.0 .005829 / 5.0 .008012 / 4.8 .013372 / 4.6 .019866 / 4.6 .026855 / 4.5 .031834 / 4.4 .033856 / 4.3 .030389 / 4.2 .021035 / 3.9 .008932 / 2.8	T= T	.368 / 11.0 .325 / 2581 / 2796 / 1 1.380 / 1 2.075 / 1 3.350 / 1 3.563 / 1 3.563 / 1 2.391 / 1 1.537 / 11
AT = 72.0 AT = 78.0 Z = 96.638 AT = -78.0 AT = -72.0 AT = -66.0 AT = -66.0 AT = -48.0 AT = -42.0 AT = -36.0 AT = -30.0 AT = -24.0 AT = -24.0 AT = -24.0 AT = -18.0 AT = -18.0	U= KM U== U== U== U== U== U== U== U=	4.730 / 6 4.155 / 6 6.426 / 10 9.310 / 10 11.281 / 9 12.607 / 9 10.651 / 9 10.651 / 9 4.865 / 8 3.372 / 7 3.996 / 5 4.4304 / 5	.5 V= .5 V= .1 V= .9 V= .8 V= .8 V= .5 V= .0 V= .0 V= .0 V= .0 V= .0 V=	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2 8.492 / 7.1 10.917 / 7.1 12.461 / 7.0 12.638 / 6.8 11.059 / 6.6 8.035 / 6.3 4.379 / 5.3 4.379 / 5.3 4.437 / 2.9 7.420 / 2.0 8.777 / 1.7	**************************************	.002403 / 1.6 .003187 / 5.0 .005829 / 5.0 .008012 / 4.8 .013372 / 4.6 .019866 / 4.5 .021834 / 4.4 .033856 / 4.3 .030389 / 4.2 .021035 / 3.9 .008932 / 2.8 .009553 / 11.7	T= T	.368 / 11.0 .325 / 2581 / 2796 / 1. 1.380 / 1. 2.075 / 1. 2.827 / 1. 3.350 / 1. 3.563 / 1. 3.221 / 1. 2.391 / . 1.537 / 11. 1.409 / 10.
AT = 72.0 AT = 78.0 2 = 96.638 AT = -78.0 AT = -72.0 AT = -66.0 AT = -66.0 AT = -54.0 AT = -34.0 AT = -36.0 AT = -36.0 AT = -30.0 AT = -24.0 AT = -24.0 AT = -24.0 AT = -6.0	U= KM	4.730 / 6 4.155 / 6 6.426 / 10 9.310 / 10 11.281 / 9 12.607 / 9 12.440 / 9 10.651 / 9 7.918 / 9 4.865 / 8 3.372 / 7 3.996 / 5 4.443 / 5 3.589 / 4	.5 V= .5 V= .1 V= .9 V= .8 V= .6 V= .3 V= .5 V= .7 V= .2 V= .2 V= .9 V=	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2 8.492 / 7.1 10.917 / 7.1 12.461 / 7.0 12.638 / 6.8 11.059 / 6.6 8.035 / 6.3 4.379 / 5.3 4.437 / 2.9 7.420 / 2.0 8.777 / 1.7 7.784 / 1.5 4.583 / 1.2	**************************************	.002403 / 1.6 .003187 / 5.0 .005829 / 5.0 .008012 / 4.8 .013372 / 4.6 .026855 / 4.5 .031834 / 4.4 .033856 / 4.3 .030389 / 4.2 .021035 / 3.9 .008932 / 2.8 .009553 / 11.7	T= T	.368 / 11.0 .325 / 2581 / 2796 / 1. 1.380 / 1. 2.075 / 1. 2.827 / 1. 3.350 / 1. 3.563 / 1. 3.563 / 1. 3.221 / 1. 2.391 / 1. 1.402 / 10. 1.824 / 9.
AT = 72.0 AT = 78.0 C = 96.638 AT = -78.0 AT = -72.0 AT = -66.0 AT = -66.0 AT = -54.0 AT = -48.0 AT = -36.0 AT = -36.0 AT = -36.0 AT = -30.0 AT = -30.0 AT = -12.0 AT = -6.0 AT = -6.0 AT = -6.0 AT = -6.0 AT = -6.0	U= U= KM U== U== U== U== U== U== U== U==	4.730 / 6 4.155 / 6 9.310 / 10 9.310 / 10 11.260 / 9 12.60 / 9 12.440 / 9 10.651 / 9 7.918 / 6 3.372 / 7 3.996 / 5 4.304 / 5 4.304 / 5 4.304 / 3	.5 V= .5 V= .1 V= .9 V= .8 V= .6 V= .8 V= .7 V= .0 V= .0 V= .0 V= .0 V= .0 V= .0 V= .0 V= .0 V=	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2 8.492 / 7.1 10.917 / 7.1 12.461 / 7.0 12.638 / 6.8 11.059 / 6.6 8.035 / 6.3 4.379 / 5.3 4.437 / 2.9 7.420 / 2.0 8.777 / 1.7 7.784 / 1.5 4.583 / 1.2 882 / 11.0	**************************************	.002403 / 1.6 .003187 / 5.0 .005829 / 5.0 .008012 / 4.8 .013372 / 4.6 .019866 / 4.6 .026855 / 4.5 .031834 / 4.4 .033856 / 4.3 .030389 / 4.2 .021035 / 3.9 .008932 / 2.8 .009553 / 11.7 .019061 / 10.9 .023039 / 10.7	T= T	.368 / 11. .325 / 2581 / 2796 / 1. 1.380 / 1. 2.075 / 1. 3.350 / 1. 3.563 / 1. 3.563 / 1. 3.563 / 1. 3.563 / 1. 1.537 / 11. 1.409 / 10. 1.824 / 9. 1.940 / 9.
AT = 72.0 AT = 78.0 C = 96.638 AT = -78.0 AT = -72.0 AT = -66.0 AT = -66.0 AT = -48.0 AT = -48.0 AT = -42.0 AT = -36.0 AT = -30.0 AT = -24.0 AT = -12.0 AT = -12.0 AT = -6.0 AT = -6.0	U= KM	4.730 / 6 4.155 / 6 9.310 / 10 9.310 / 10 11.281 / 9 12.607 / 9 10.651 / 9 10.651 / 9 10.651 / 9 10.655 / 8 3.372 / 7 3.996 / 5 4.304 / 5 3.589 / 4 3.007 / 4 2.857 / 5	.5 V= .5 V= .1 V= .9 V= .8 V= .8 V= .6 V= .7 V= .0 V= .0 V= .0 V= .0 V= .0 V= .0 V=	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2 8.492 / 7.1 10.917 / 7.1 12.461 / 7.0 12.638 / 6.8 11.059 / 6.6 8.035 / 6.3 4.379 / 5.3 4.379 / 5.3 4.437 / 2.9 7.420 / 2.0 8.777 / 1.7 7.784 / 1.5 4.583 / 1.2 .882 / 11.0 3.452 / 8.0	**************************************	.002403 / 1.6 .003187 / 5.0 .005829 / 5.0 .008012 / 4.8 .013372 / 4.6 .019866 / 4.6 .026855 / 4.5 .031834 / 4.4 .033856 / 4.3 .030389 / 4.2 .021035 / 3.9 .008932 / 2.8 .09553 / 11.7 .019061 / 10.9	T= T	.368 / 11. .325 / 2581 / 2796 / 1. 1.380 / 1. 2.075 / 1. 2.827 / 1. 3.350 / 1. 3.563 / 1. 3.221 / 1. 2.391 / . 1.537 / 11. 1.409 / 10. 1.824 / 9. 1.940 / 9. 1.551 / 9.
AT = 72.0 AT = 78.0 E = 96.638 AT = -78.0 AT = -78.0 AT = -66.0 AT = -66.0 AT = -66.0 AT = -48.0 AT = -48.0 AT = -42.0 AT = -36.0 AT = -24.0 AT = -24.0 AT = -26.0 AT = -6.0 AT = -6.0 AT = -6.0 AT = -6.0 AT = 12.0 AT = 12.0	U= KM UU== UU== UU== UU== UU== UU== UU==	4.730 / 6 4.155 / 6 9.310 / 10 9.310 / 10 11.281 / 9 12.607 / 9 10.651 / 9 7.918 / 9 10.651 / 9 3.372 / 7 3.996 / 5 4.430 / 5 3.589 / 4 3.007 / 4 2.850 / 5	.5 V= .5 V= .1 V= .9 V= .8 V= .6 V= .7 V= .7 V= .9 V= .9 V= .0 V= .0 V= .0 V= .0 V= .0 V=	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2 8.492 / 7.1 10.917 / 7.1 12.461 / 7.0 12.638 / 6.8 11.059 / 6.6 8.035 / 6.3 4.379 / 5.3 4.437 / 2.9 7.420 / 2.0 8.777 / 1.7 7.784 / 1.5 4.583 / 1.2 .882 / 11.0 3.452 / 8.0	**************************************	.002403 / 1.6 .003187 / 5.0 .005829 / 5.0 .008012 / 4.8 .013372 / 4.6 .026855 / 4.5 .031834 / 4.4 .033856 / 4.3 .030389 / 4.2 .021035 / 3.9 .006932 / 2.8 .009553 / 11.7 .019061 / 10.9 .023039 / 10.7 .019664 / 10.4 .011419 / 10.0	T= T	.368 / 11. .325 / 2581 / 2796 / 1. 1.380 / 1. 2.075 / 1. 2.827 / 1. 3.350 / 1. 3.563 / 1. 3.563 / 1. 3.221 / 1. 2.391 / 1. 1.409 / 10. 1.824 / 9. 1.940 / 9. 1.551 / 9863 / 9.
AT = 72.0 AT = 78.0 2 = 96.638 AT = -78.0 AT = -72.0 AT = -66.0 AT = -54.0 AT = -48.0 AT = -36.0 AT = -36.0 AT = -36.0 AT = -30.0 AT = -30.0 AT = -12.0 AT = -12.0 AT = -6.0 AT = 6.0 AT = 6.0 AT = 12.0 AT = 12.0 AT = 12.0 AT = 12.0 AT = 18.0	U =	4.730 / 6 4.155 / 6 6.426 / 10 9.310 / 10 11.2607 / 9 12.440 / 9 12.440 / 9 10.651 / 9 7.918 / 7 3.372 / 7 3.372 / 7 3.372 / 7 3.372 / 7 3.589 / 4 4.304 / 5 4.304 / 5 4.305 / 5 2.857 / 5 2.857 / 5 2.857 / 5 2.858 / 4	.5 V= .5 V= .1 V= .9 V= .6 V= .6 V= .7 V= .2 V= .9 V= .9 V= .0 V=	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2 8.492 / 7.1 10.916 / 7.0 12.638 / 6.8 11.059 / 6.6 8.035 / 6.3 4.379 / 5.3 4.437 / 2.9 7.420 / 2.0 8.777 / 1.7 7.784 / 1.5 4.583 / 1.2 882 / 11.0 3.452 / 8.0 4.922 / 7.7 4.565 / 7.5	***************************************	.002403 / 1.6 .003187 / 5.0 .005829 / 5.0 .008012 / 4.8 .013372 / 4.6 .026855 / 4.5 .031834 / 4.4 .033856 / 4.3 .030389 / 4.2 .021035 / 3.9 .008932 / 2.8 .09553 / 11.7 .019664 / 10.4 .011419 / 10.0 .005302 / 8.2	T= T	.368 / 11. .325 / 2581 / 2796 / 1. 1.380 / 1. 2.075 / 1. 2.827 / 1. 3.350 / 1. 3.563 / 1. 3.563 / 1. 3.521 / 1. 2.391 / . 1.537 / 11. 1.409 / 10. 1.824 / 9. 1.940 / 9. 1.551 / 9863 / 9409 / 11.
AT = 72.0 AT = 78.0 Z = 96.638 AT = 78.0 AT = 72.0 AT = 76.0 AT = 76.0 AT = 76.0 AT = 76.0 AT = 36.0 AT = 36.0 AT = 36.0 AT = 24.0 AT = 12.0 AT = 12.0	U =	4.730 / 6 4.155 / 6 9.310 / 10 9.310 / 10 11.281 / 9 12.607 / 9 10.651 / 9 10.651 / 9 10.651 / 9 10.651 / 9 10.651 / 9 10.651 / 9 10.657 / 5 3.372 / 7 3.996 / 5 4.304 / 5 3.589 / 5 4.304 / 5 2.880 / 5 2.880 / 4 2.023 / 4	.5 V= .5 V= .1 V= .9 V= .8 V= .8 V= .6 V= .7 V= .9 V= .9 V= .0 V=	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2 8.492 / 7.1 10.917 / 7.1 12.461 / 7.0 12.638 / 6.8 11.059 / 6.6 8.035 / 6.3 4.379 / 5.3 4.379 / 5.3 4.437 / 2.9 7.420 / 2.0 8.777 / 1.7 7.784 / 1.5 4.583 / 1.2 .882 / 11.0 3.452 / 8.0 4.922 / 7.7 4.565 / 7.5 2.653 / 7.2	**************************************	.002403 / 1.6 .003187 / 5.0 .005829 / 5.0 .008012 / 4.8 .013372 / 4.6 .026855 / 4.5 .031834 / 4.4 .033856 / 4.3 .030389 / 4.2 .021035 / 3.9 .008932 / 2.8 .099553 / 11.7 .019061 / 10.9 .023039 / 10.7 .019664 / 10.4 .011419 / 10.0 .005302 / 8.2 .009779 / 6.1	T= T	.368 / 11.4 .325 / 2581 / 2796 / 1. 1.380 / 1. 2.075 / 1. 2.827 / 1. 3.350 / 1. 3.563 / 1. 3.563 / 1. 3.221 / 1. 2.391 / . 1.537 / 11. 4.09 / 10. 1.824 / 9. 1.940 / 9. 1.551 / 9863 / 9409 / 11706 / 1.
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AT = 72.0 AT = 78.0 Z = 96.638 AT = -78.0 AT = -72.0 AT = -66.0 AT = -54.0 AT = -36.0 AT = -36.0 AT = -36.0 AT = -36.0 AT = -30.0 AT = -12.0 AT = -6.0 AT = -6.0 AT = 0.0 AT = 12.0 AT = 12.0 AT = 24.0 AT = 36.0	U =	4.730 / 6 4.155 / 6 6.426 / 10 9.310 / 10 11.2807 / 9 12.440 / 9 12.440 / 9 12.440 / 9 13.372 / 7 3.996 / 5 4.443 / 5 4.304 / 5 4.304 / 5 2.857 / 5 2.857 / 5 2.8628 / 4 2.023 / 4 1.090 / 4 7.15 / 6	.5 V= .5 V= .1 V= .9 V= .8 V= .6 V= .0 V=	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2 8.492 / 7.1 10.917 / 7.1 12.461 / 7.0 12.638 / 6.8 11.059 / 6.3 8.035 / 6.3 4.379 / 5.3 4.437 / 2.9 7.420 / 2.0 8.777 / 1.7 7.784 / 1.5 4.583 / 1.2 .882 / 11.0 3.452 / 8.0 3.452 / 8.0 4.565 / 7.5 2.653 / 7.5 2.653 / 7.5 2.653 / 7.5 2.657 / 6.1 .550 / .7	**************************************	.002403 / 1.6 .003187 / 5.0 .005829 / 5.0 .008012 / 4.8 .013372 / 4.6 .019866 / 4.6 .026855 / 4.5 .031834 / 4.4 .033856 / 4.3 .030389 / 4.2 .021035 / 3.9 .008932 / 2.8 .009553 / 11.7 .019061 / 10.9 .023039 / 10.7 .019664 / 10.4 .011419 / 10.0 .005302 / 8.2 .009779 / 6.1 .012972 / 5.7 .011184 / 5.8	T= T	.368 / 11.0 .325 / 2581 / 2796 / 1. 1.380 / 1. 2.075 / 1. 2.827 / 1. 3.350 / 1. 3.563 / 1. 3.221 / 1. 2.391 / 1. 537 / 11. 1.409 / 10. 1.824 / 9. 1.940 / 9. 1.551 / 9863 / 9409 / 11706 / 1885 / 1748 / 1.
LAT = 72.0 LAT = 78.0 Z = 96.638 LAT = -78.0 LAT = -72.0 LAT = -66.0 LAT = -66.0 LAT = -54.0 LAT = -36.0 LAT = -36.0 LAT = -36.0 LAT = -12.0 LAT = -12.0 LAT = -6.0 LAT = -6.0 LAT = -6.0 LAT = 12.0 LAT = 12.0 LAT = 30.0 LAT = 30.0	U= U	4.730 / 6 4.155 / 6 6.426 / 10 9.310 / 10 11.281 / 9 12.607 / 9 10.651 / 9 10.651 / 9 10.651 / 9 10.651 / 9 10.657 / 5 3.372 / 7 3.996 / 5 4.304 / 5 3.589 / 4 2.857 / 5 2.880 / 4 2.857 / 5 2.880 / 4 1.090 / 4 1.550 / 7	.5 V= .5 V= .1 V= .9 V= .8 V= .8 V= .8 V= .9 V= .9 V= .9 V= .0 V=	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2 8.492 / 7.1 10.961 / 7.0 12.638 / 6.8 11.059 / 6.6 8.035 / 6.3 4.379 / 5.3 4.437 / 2.9 7.420 / 2.0 8.777 / 1.7 7.784 / 1.5 4.583 / 1.2 .882 / 11.0 3.452 / 8.0 4.922 / 7.7 4.5655 / 7.5 2.657 / 6.1 .550 / .7 1.403 / 10.6	**************************************	.002403 / 1.6 .003187 / 5.0 .005829 / 5.0 .008012 / 4.8 .013372 / 4.6 .026855 / 4.5 .031834 / 4.4 .033856 / 4.3 .030389 / 4.2 .021035 / 3.9 .008932 / 2.8 .009553 / 11.7 .019061 / 10.9 .023039 / 10.7 .019664 / 10.4 .011419 / 10.0 .005302 / 8.2 .009779 / 6.1 .012972 / 5.7 .01184 / 5.8	T= T	.368 / 11.4 .325 / 2581 / 2796 / 1. 1.380 / 1. 2.075 / 1. 2.827 / 1. 3.350 / 1. 3.563 / 1. 3.563 / 1. 3.221 / 1. 2.391 / . 1.537 / 11. 1.409 / 10. 1.824 / 9. 1.940 / 9. 1.551 / 9863 / 9409 / 11706 / 1885 / 1706 / 1885 / 17448 / 1448 / 1.
AT = 72.0 AT = 78.0 Z = 96.638 AT = 78.0 AT = 72.0 AT = -66.0 AT = -66.0 AT = -66.0 AT = -48.0 AT = -36.0 AT = -30.0 AT = -24.0 AT = -18.0 AT = -6.0 AT = -6.0 AT = -6.0 AT = 12.0 AT = 12.0 AT = 12.0 AT = 13.0 AT = 13.0 AT = 14.0 AT = 14.0	U= U	4.730 / 6 4.155 / 6 6.426 / 10 9.310 / 10 11.281 / 9 12.607 / 9 10.651 / 9 10.651 / 9 10.655 / 8 3.372 / 7 3.996 / 5 4.4304 / 5 3.589 / 4 3.007 / 4 2.857 / 5 2.880 / 5 2.628 / 4 1.090 / 4 1.715 / 6 1.550 / 7 2.738 / 6	.5 V= .5 V= .1 V= .9 V= .8 V= .8 V= .0 V=	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2 8.492 / 7.1 10.917 / 7.1 12.461 / 7.0 12.638 / 6.8 11.059 / 6.6 8.035 / 6.3 4.379 / 5.3 4.437 / 2.9 7.420 / 2.0 8.777 / 1.7 7.784 / 1.5 4.583 / 1.2 .882 / 11.0 3.452 / 8.0 4.922 / 7.7 4.565 / 7.5 2.657 / 6.1 .550 / .7 1.403 / 10.6 2.845 / 9.7	**************************************	.002403 / 1.6 .003187 / 5.0 .005829 / 5.0 .008012 / 4.8 .013372 / 4.6 .019866 / 4.5 .021834 / 4.4 .033856 / 4.3 .030389 / 4.2 .021035 / 3.9 .008932 / 2.8 .009553 / 11.7 .019661 / 10.9 .023039 / 10.7 .019664 / 10.4 .011419 / 10.0 .005302 / 8.2 .009779 / 6.1 .012972 / 5.7 .011184 / 5.8 .006148 / 6.0 .001302 / 7.4	T= T	.368 / 11.0 .325 / 2581 / 2796 / 1. 1.380 / 1. 2.075 / 1. 2.827 / 1. 3.350 / 1. 3.563 / 1. 3.521 / 1. 2.391 / . 1.537 / 11. 1.409 / 10. 1.824 / 9. 1.551 / 9863 / 9409 / 11706 / 1885 / 1885 / 1748 / 1448 / 1167 / 1.
LAT = 72.0 LAT = 78.0 Z = 96.638 LAT = -78.0 LAT = -72.0 LAT = -66.0 LAT = -66.0 LAT = -48.0 LAT = -48.0 LAT = -36.0 LAT = -36.0 LAT = -30.0 LAT = -12.0 LAT = -12.0 LAT = 6.0 LAT = 12.0 LAT = 18.0 LAT = 12.0 LAT = 18.0 LAT = 12.0 LAT = 18.0 LAT = 18.0 LAT = 24.0 LAT = 36.0 LAT = 36.0 LAT = 36.0 LAT = 42.0 LAT = 42.0 LAT = 42.0 LAT = 42.0 LAT = 42.0 LAT = 42.0	U= U	4.730 / 6 4.155 / 6 6.426 / 10 9.310 / 10 11.281 / 9 12.607 / 9 12.440 / 9 12.440 / 9 13.372 / 7 3.996 / 5 4.443 / 5 4.304 / 5 4.306 / 6 4.307 / 4 2.857 / 5 2.850 / 4 2.023 / 4 1.550 / 7 1.550 / 6 4.246 / 6	.5 V= .5 V= .1 V= .9 V= .8 V= .6 V= .5 V= .0 V=	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2 8.492 / 7.1 10.917 / 7.1 12.638 / 6.8 11.059 / 6.3 4.379 / 5.3 4.437 / 2.9 8.035 / 6.3 4.379 / 5.3 4.437 / 1.7 7.784 / 1.5 4.583 / 1.5 4.583 / 1.5 4.582 / 11.0 3.452 / 8.0 4.922 / 7.7 4.565 / 7.5 2.653 / 7.2 .657 / 6.1 7.403 / 10.6 2.845 / 9.7 4.546 / 9.3	KKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKK	.002403 / 1.6 .003187 / 5.0 .005829 / 5.0 .008012 / 4.8 .013372 / 4.6 .019866 / 4.6 .026855 / 4.5 .031834 / 4.4 .033856 / 4.3 .030389 / 4.2 .021035 / 3.9 .008932 / 2.8 .009553 / 11.7 .019664 / 10.9 .023039 / 10.7 .019664 / 10.4 .011419 / 10.0 .005302 / 8.2 .009779 / 6.1 .012972 / 5.7 .011184 / 5.8 .006148 / 6.0 .001302 / 7.4 .003752 / 11.3	T= T	.368 / 11.6 .325 / 2581 / 2796 / 1 1.380 / 1 2.075 / 1 2.827 / 1 3.350 / 1 3.563 / 1 3.563 / 1 3.221 / 1 2.391 / 1.537 / 11 1.409 / 10 1.824 / 9 1.940 / 9 1.551 / 9 863 / 9 409 / 11 706 / 1 885 / 1 748 / 1 448 / 1677 / 1
LAT = 72.0 LAT = 78.0 Z = 96.638 LAT = -78.0 LAT = -60.0 LAT = -66.0 LAT = -66.0 LAT = -36.0 LAT = -36.0 LAT = -36.0 LAT = -18.0 LAT = -18.0 LAT = -18.0 LAT = -6.0 LAT = -6.0 LAT = 6.0 LAT = 6.0 LAT = 30.0 LAT = 48.0 LAT = 56.0 LAT = 60.0	U= U	4.730 / 6 4.155 / 6 6.426 / 10 9.310 / 10 11.2807 / 9 12.440 / 9 10.651 / 9 10.651 / 9 4.865 / 8 3.372 / 7 3.996 / 5 4.304 / 5 3.589 / 4 2.023 / 4 1.090 / 4 1.550 / 7 2.738 / 6 5.443 / 6 5.443 / 6	.5 V= .5 V= .1 V= .9 V= .8 V= .8 V= .5 V= .9 V= .9 V= .9 V= .9 V= .9 V= .0 V=	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2 8.492 / 7.1 10.916 / 7.0 12.638 / 6.8 11.059 / 6.6 8.035 / 6.3 4.379 / 5.3 4.437 / 2.9 7.420 / 2.0 8.777 / 1.7 7.784 / 1.5 4.583 / 1.2 .882 / 11.0 3.452 / 8.0 4.922 / 7.7 2.655 / 7.5 2.653 / 7.2 .657 / 6.1 .550 / .7 1.403 / 10.6 2.845 / 9.7 4.546 / 9.3 5.483 / 9.2	***************************************	.002403 / 1.6 .003187 / 5.0 .005829 / 5.0 .008012 / 4.8 .013372 / 4.6 .026855 / 4.5 .031834 / 4.4 .033856 / 4.3 .030389 / 4.2 .021035 / 3.9 .008932 / 2.8 .009553 / 11.7 .019061 / 10.9 .023039 / 10.7 .019664 / 10.4 .011419 / 10.0 .005302 / 8.2 .009779 / 6.1 .012972 / 5.7 .01184 / 5.8 .006148 / 6.0 .001302 / 7.4 .003752 / 11.3 .005493 / 11.8	T= T	.368 / 11.6 .325 / 2581 / 2796 / 1.1 1.380 / 1.2 2.075 / 1.1 2.827 / 1.1 3.350 / 1.3 3.563 / 1.3 3.221 / 1.2 3.391 / .1 1.537 / 11.1 4.09 / 10.1 1.824 / 9.1 1.940 / 9.1 1.951 / 9863 / 9.4 .409 / 11.1 .706 / 1.1 .885 / 1.1 .748 / 1.1 .167 / 1073 / 9.1 .125 / 9.1
LAT = 72.0 LAT = 78.0 Z = 96.638 LAT = -78.0 LAT = -72.0 LAT = -66.0 LAT = -66.0 LAT = -48.0 LAT = -30.0 LAT = -30.0 LAT = -30.0 LAT = -24.0 LAT = -18.0 LAT = -12.0 LAT = 12.0 LAT = 12.0 LAT = 12.0 LAT = 30.0 LAT = 30.0 LAT = 30.0 LAT = 48.0 LAT = 36.0 LAT = 48.0 LAT = 54.0 LAT = 54.0 LAT = 54.0 LAT = 54.0 LAT = 54.0	U= U	4.730 / 6 4.155 / 6 6.426 / 10 9.310 / 10 11.281 / 9 12.640 / 9 10.651 / 9 10.651 / 9 13.372 / 7 3.996 / 5 4.443 / 5 4.304 / 5 3.589 / 4 3.0857 / 5 2.880 / 5 2.628 / 4 1.090 / 4 2.023 / 4 1.090 / 6 7.15 / 6 4.246 / 6 5.443 / 6 5.443 / 6	.5 V= .5 V= .1 V= .9 V= .9 V= .6 V= .7 V= .0 V=	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2 8.492 / 7.1 10.917 / 7.1 12.461 / 7.0 12.638 / 6.8 11.059 / 6.6 8.035 / 6.3 4.379 / 5.3 4.379 / 5.3 4.437 / 2.9 7.420 / 2.0 8.777 / 1.7 7.784 / 1.5 4.583 / 1.2 .882 / 11.0 3.452 / 8.0 4.922 / 7.7 4.5653 / 7.2 .657 / 6.1 .550 / 7.5 2.653 / 7.2 .657 / 6.1 .550 / 7.5 1.403 / 10.6 2.845 / 9.7 4.546 / 9.3 5.483 / 9.2 5.628 / 9.1	KAKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKK	.002403 / 1.6 .003187 / 5.0 .005829 / 5.0 .008012 / 4.8 .013372 / 4.6 .019866 / 4.5 .021834 / 4.4 .033856 / 4.3 .020389 / 4.2 .021035 / 3.9 .008932 / 2.8 .009553 / 11.7 .019664 / 10.4 .011419 / 10.0 .005302 / 8.2 .009779 / 6.1 .012972 / 5.7 .01184 / 5.8 .006148 / 6.0 .001302 / 7.4 .003752 / 11.3 .005493 / 11.8 .004964 / .1	T= T	.368 / 11.6 .325 / 2581 / 2796 / 1.9 1.380 / 1.9 2.075 / 1.9 3.350 / 1.9 3.350 / 1.9 3.221 / 1.9 2.391 / 1.9 2.391 / 1.9 1.507 / 11.9 1.409 / 10.1 1.824 / 9.1 1.551 / 9.1 863 / 9.6 .409 / 11.9 .706 / 1.9 .885 / 1.1 .748 / 1.1 .448 / 1.1 .448 / 1.1 .677 / 9.1 .258 / 7.9
LAT = 72.0 LAT = 78.0 Z = 96.638 LAT = -78.0 LAT = -72.0 LAT = -66.0 LAT = -66.0 LAT = -54.0 LAT = -36.0 LAT = -36.0 LAT = -36.0 LAT = -12.0 LAT = -18.0 LAT = -18.0 LAT = -6.0 LAT = -6.0 LAT = -6.0 LAT = 30.0 LAT = 30.0 LAT = 48.0 LAT = 48.0 LAT = 48.0 LAT = 48.0	U= U	4.730 / 6 4.155 / 6 6.426 / 10 9.310 / 10 11.2807 / 9 12.440 / 9 12.440 / 9 12.440 / 9 13.372 / 7 3.996 / 5 3.372 / 7 3.996 / 5 3.589 / 4 3.589 / 4 3.589 / 4 2.023 / 4 2.023 / 4 2.023 / 4 2.023 / 4 2.023 / 4 2.023 / 6 5.443 / 6 5.443 / 6 5.443 / 6 5.443 / 6 5.443 / 6 5.422 / 6	.5 V= .5 V= .1 V= .9 V= .8 V= .8 V= .5 V= .9 V= .9 V= .9 V= .9 V= .9 V= .0 V=	3.709 / 9.5 2.032 / 9.4 5.517 / 7.2 8.492 / 7.1 10.916 / 7.0 12.638 / 6.8 11.059 / 6.6 8.035 / 6.3 4.379 / 5.3 4.437 / 2.9 7.420 / 2.0 8.777 / 1.7 7.784 / 1.5 4.583 / 1.2 .882 / 11.0 3.452 / 8.0 4.922 / 7.7 2.655 / 7.5 2.653 / 7.2 .657 / 6.1 .550 / .7 1.403 / 10.6 2.845 / 9.7 4.546 / 9.3 5.483 / 9.2	***************************************	.002403 / 1.6 .003187 / 5.0 .005829 / 5.0 .008012 / 4.8 .013372 / 4.6 .026855 / 4.5 .031834 / 4.4 .033856 / 4.3 .030389 / 4.2 .021035 / 3.9 .008932 / 2.8 .009553 / 11.7 .019061 / 10.9 .023039 / 10.7 .019664 / 10.4 .011419 / 10.0 .005302 / 8.2 .009779 / 6.1 .012972 / 5.7 .01184 / 5.8 .006148 / 6.0 .001302 / 7.4 .003752 / 11.3 .005493 / 11.8	T= T	.368 / 11.6 .325 / 2581 / 2796 / 1.1 1.380 / 1.2 2.075 / 1.1 2.827 / 1.1 3.350 / 1.3 3.563 / 1.3 3.221 / 1.2 3.391 / .1 1.537 / 11.1 4.09 / 10.1 1.824 / 9.1 1.940 / 9.1 1.951 / 9863 / 9.4 .409 / 11.1 .706 / 1.1 .885 / 1.1 .748 / 1.1 .167 / 1073 / 9.1 .125 / 9.1

Table B6. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From $78^{\rm O}{\rm S}$ to $78^{\rm O}{\rm N}$ in $6^{\rm O}$ Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 100.017								
	KM							
LAT = -78.0	U≠	7.995 / 8	.5 V=	6.982 / 5.3	W≖	.004392 / 3.7	۲=	.464 / .9
LAT=-72.0	Ū=		.4 V=	10.750 / 5.3	W=	.006975 / 3.7	T =	.717 / .8
LAT=-66.0	Ū=		.3 v=	13.930 / 5.3	W=	.008824 / 3.5	T=	.904 / .4
LAT = -60.0	U =	16.627 / 8	.3 V=	16.199 / 5.2	W=	.015009 / 3.3	T =	1.612 / .5
LAT=-54.0	U =	16.876 / 8	.2 V=	16.987 / 5.2	W=	.022415 / 3.2	T =	2.442 / .5
LAT=-48.0	U =		. 1 V=	15.783 / 5.1	W =	.030960 / 3.1	T =	3.420 / .4
LAT=-42.0	U=		.0 v=	12.650 / 5.0	W=	.037758 / 3.0	T =	4.193 / .4
LAT = -36.0	u =		.7 V=	7.922 / 4.6	W =	.041656 / 2.9	T =	4.625 / .3
LAT=-30.0	U=		.0 V=	3.832 / 3.1	W =	.039267 / 2.9	T =	4.396 / .2
LAT = -24.0	U =		.5 V=	5.776 / .8	W=	.029019 / 2.7	T =	3.432 / 11.9
LAT = -18.0	U=		.5 V≃ .3 V=	8.594 / .4	W=	.012651 / 2.2	T≂ T≖	2.054 / 11.4 1.196 / 9.9
LAT = -12.0	U=		.4 V=	8.890 / .4 6.500 / .5	W=	.008345 / 10.4 .022799 / 9.5	T=	1.549 / 8.2
LAT = -6.0 LAT = 0.0	บ≠		.5 V=	2.331 / 1.4	w= W=	.030298 / 9.5	T=	1.890 / 7.9
LAT= 6.0	U=		.7 V=	3.072 / 5.4	W=	.027170 / 9.6	T=	1.600 / 8.2
LAT = 12.0	U=		.7 V=	5.776 / 6.2	w=	.015955 / 9.9	T=	1.001 / 9.1
LAT= 18.0	U≃		.8 v=	6.263 / 6.6	W=	.003973 / 11.0	T≖	.816 / 11.0
LAT = 24.0	Ü÷		. 1 V =	4.669 / 7.3	W =	.008714 / 3.5	Τ=	1.144 / .4
LAT= 30.0	Ü=	2.119 / 6		3.029 / 8.9	W =	.013677 / 4.3	Ť≖	1.208 / 1.1
LAT= 36.0	Ú=		. 2 V =	3.523 / 10.6	W=	.013232 / 5.2	T =	.931 / 1.7
LAT= 42.0	Ü≈		.7 V=	3.580 / 11.1	W=	.011594 / 6.5	T =	.558 / 2.6
LAT= 48.0	U=	2.055 / 7	.5 V=	2.467 / 11.1	W=	.011583 / 7.6	T =	.383 / 4.2
LAT = 54.0	U =	1.370 / 5	.8 v =	1.060 / 8.9	W=	.011623 / 8.7	T =	.354 / 5.6
LA1= 60.0	U=	2.643 / 4	.3 V≈	2.690 / 7.1	₩ =	.009884 / 9.5	T =	.228 / 6.4
LAT= 66.0	U≐	3.546 / 3	.6 V≖	4.041 / 7.1	W =	.006455 / 10.1	T=	.368 / 6.4
LAT= 72.0	Ų=		.2 ∨≖	4.061 / 7.0	W=	.006601 / 10.1	T=	.120 / 6.8
LAT= 78.0	U=	3.533 / 4	.4 V=	3.026 / 6.7	W=	.003260 / 9.9	T =	.089 / .6
Z= 103.521	KM							
LAT=-78.0	U=	9.194 / 7	.0 v=	7.761 / 3.9	w=	.004983 / 2.6	T =	.625 / 11.6
LAT=-72.0	U=	13.486 / 6	.9 V=	12.161 / 3.9	W =	.007116 / 2.5	Τ±	.837 / 11.5
LAT=-66.0	U=	16.780 / 6	.8 V=	16.017 / 3.8	W =	.008136 / 2.2	Τ=	.902 / 11.1
LAT=-60.0	u=	19.790 / 6	.8 ∨.≂	19.093 / 3.8	W =	.014757 / 2.0	T =	1.749 / 11.2
LAT = -54.0	U=	20.703 / 6	.7 V=	20.724 / 3.8	W =	.022490 / 1.8	T =	2.714 / 11.1
LAT=-48.0	U=	19.715 / 6		20.266 / 3.7	W =	.031995 / 1.7	T =	3.935 / 11.1
LAT = - 12.0	UΨ	17.005 / 6		17.545 / 3.6	W =	.040289 / 1.6	T =	4.980 / 11.0
LAT=+36.0	U =		.6 ∨=	12.649 / 3.5	w =	.046149 / 1.5	Τ≖	5.703 / 11.0
LAT = - 30.0	U≠	8.176 / 6		6.466 / 3.1	W =	.045838 / 1.5	T =	5.680 / 11.0
LAT = -24.0	U-		3 V=	3.071 / .4	₩ =	.036873 / 1.4	T≖	4.711 / 10.9
LAT=-18.0	U =		.4 V=	6.585 / 11.0	W =	.019985 / 1.2	T =	2.930 / 10.8
LAT=-12.0	U =		.6 V=	8.383 / 10.8	w =	.005556 / 10.6	T ≂	1.271 / 10.1
LAT = -6.0	U =		6 V=	7.333 / 11.0	w =	.021050 / 8.4	T =	1.004 / 6.9
LAT= 0.0	U =	• ,	.0 V=	4.037 / 12.0	W =	.032839 / 8.4	T =	1.778 / 6.4
LAT= 6.0	U=		.3 V=	3.337 / 2.9	W=	.033316 / 8.6	T≖ +-	1.751 / 6.7
LAT= 12.0	U =			6.036 / 4.3	W =	.024158 / 9.2	T=	1.239 / 7.7
LAT= 18.0	Ú≒ U-		.5 V≠ .8 V=	6.950 / 5.1	₩=	.014656 / 10.4	1 = 1 =	1.090 / 9.5
LAT= 24.0 LAT= 30.0	U≃ U≃	3.398 / 5		6.542 / 6.2 6.359 / 7.8	W =	.013051 / .6 .015604 / 2.2	T = T =	1.474 / 11.0
LAT= 36.0	O =	4.526 / 6			W =		1=	1.588 / 12.0
LAT = 42.0	U=	5.202 / 7		7.224 / 9.0 7.283 / 10.1	A =	.015060 / 3.6 .016245 / 5.1	T=	1.378 / 1.0 1.158 / 2.1
LAT: 42.0	U=		. 9 V =	6.755 / 11.0	W =	.018380 / 6.1	T=	1.158 / 2.1
LA: 40.0	U =	4.524 / 9		5.542 / .1	W = W =	.018892 / 7.0	T=	.875 / 4.1
	J -			5.068 / 1.5	W=	.015261 / 7.7	Y=	
LAT = 14.0	LI=							
LAT = 54.0 LAT = 60.0	U=	4,314 / 10 5,173 / 11						
LAT = 5-1.0	U = U = U ≠	5.173 / 11		4.505 / 2.5 4.169 / 3.1	W=	.009385 / 7.9	T≈ T=	.517 / 5.5

Table B6. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 107.177	KM											
										_		
LAT=-78.0	U =	9.698 /	5.6	V =	7.790 /		W =	.004937 /	1.0	T =	.784 / 10	
LAT=-72.0	U =	14.121 /	5.5	V =	12.451 /		W =	.006602 /	1.1	T=	.983 / 10	
LAT=-66.0	U= U=	17.253 /	5.4 5.3	V = V =	16.541 /		W =	.005725 /	1.0	!± 	.906 / 10 1.890 / 10	
LAT=-60.0	U=	20.775 / 22.158 /	5.3	V = V =	19.974 / 22.697 /		₩= ₩=	.013315 / .020776 /	.7 .5	T=		. B
LAT=-54.0	U=	21.870 /	5.3	V =	22.313 /		W=	.030524 /	.3	T=		. 7
LAT=-48.0	U=	19.821 /	5.4	V =	20.790 /		W=	.039761 /	.2	T=		. 6
LAT=-36.0	U≃	16.174 /	5.5	V -	16.013 /		W=	.047195 /	.1	T=		.6
LAT=-30.0	U=	11.698 /	5.4	V =	9.833 /		W=	.049269 /	. 1	T=		.6
LAT=-24.0	U=	7.314 /	5.5	V =	3.112 /		W =	.043150 /		T=		.6
LAT =- 18.0	Ü=	3.894 /	5.3	V =	2.911 /		W =	.028791 /		Ť.		. 6
LAT=-12.0	Ū=	2.113 /	4.4	V =	6.247 /		W=	.012129 /		T=		. 5
LAT= -6.0	Ü=	2.274 /	3.4	V=	6.924 /		W =	-013771 /	7.8	T=		. 2
LAT= 0.0	ti =	2.859 /	3.5	V =	4.935 /	10.1	wi=	.027373 /	7.4	T =		. 5
LAT= 6.0	U≃	3.019 /	3.8	V =	3.095 /		W =	.032469 /	7.6	T =	1.922 / 4	. 9
LAT= 12.0	υ=	2.656 /	4.0	V =	4.787 /	2.4	W =	.028692 /	8.2	T =	1.601 / 5	. 9
LAT= 18.0	U=	2.374 /	4.2	V =	6.239 /	3.5	W =	.023099 /	9.2	T =	1.359 / 7	. 4
LAT= 24.0	U=	2.390 /	4.4	V =	6.764 /		W =	.021115 /	10.7	T =	1.672 / 9	. 1
LAT= 30.0	U =	3.401 /	4.6	V =	7.534 /	6.2	W =	.021507 /	. 1	T =	1.950 / 10	. з
LAT = 36.0	U =	5.177 /	5.3	V =	9.014 /		₩=	.019155 /	1.3	T =	1.907 / 11	
LAT= 42.0	U =	6.942 /	6.0	V =	10.085 /		W =	.017350 /	2.9	T =		. 6
LAT = 48.0	U=	8.082 /	6.8	V =	10.911 /		W =	.018926 /	4.1	Ť≖		. 5
LAT= 54.0	U =	9.316 /	7.7	V≃	11.248 /		W =	.019729 /	5.1	T =		. 4
LAT= 60.0	U=	10.100 /	8.4	V =	11.127 /		W =	.016602 /	5.9	Ť =		. 1
LAT= 66.0	U=	9.713 /	9.2	V =	10.198 /		W =	.013221 /	6.1	T =		. 9
LAT= 72.0	U≠	8.269 /	9.3	V =	8.259 /		W=	.008690 /	7.2	T =		. 3
LAT = 78.0	U=	5.776 /	9.4	V =	6.033 /	1.0	W =	.005498 /	8.7	T≠	.180 / 5	. 5
Z= 111.019	KM											
LAT=-73.0	U=	9.098 /	4.4	V =	7.092 /	1.5	W =	.004321 /	11.3	T=	.807 / 8	. 3
LAT=-72.0	ũ=	13.135 /	4.3	v =	11.453 /		w=	.005492 /		Τ=		. 7
LAT=-66.0	U≖	15.783 /	4.2	V=	15.232 /		W =	.005284 /		7 =		. 3
LAT=-60.0	U =	19.206 /	4.3	V =	18.487 /		W =	.011524 /		Tα		. в
LAT = -54.0	U=	20.675 /	4.2	V =	20.641 /		W =	.018417 /		T =		. 6
LAT=-48.0	ù =	20.907 /	4.2	V =	21.226 /	1.1	w =	.028257 /	11.0	T =	4.539 / 8	. 4
LAT=+42.0	۔ نا	19.659 /	4.3	V =	19.895 /	1.2	W =	.038147 /	10.9	T =	6.012 / 8	. 2
LAT=-36.0	U=	16.998 /	4.4	V =	16.651 /	1.3	W =	.047080 /	10.7	T =	7.265 / 8	. 2
LAT = -30.0	IJ÷	13.534 /	4.4	V =	11.672 /		W =	.051692 /	10.7	T =		. 2
LAT=-24.0	U =	9.880 /	4.6	٧×	5.856 /		W =	.049156 /		T =		. 2
LAT=-18.0	U =	6.605 /	4.8	V =	1.552 /		Wπ	.038810 /		T =		. 2
LAT=-12.0	U=	4.150 /	4.9	V =	4.059 /		W =	.024453 /		T =		. 2
LAT= -6.0	U =	2.603 /	4.5	V =	5.691 /		W =	.011493 /	8.8	T=		. 3
LAT = 0.0	U=	2.256 /	4.0	V =	4.305 /		W =	.016357 /	6.9	T =		. 4
LAT= 6.0	U =	2.456 /	3.7	V =	2.713 /		W=	.023786 /	6.8	Ţ=		. 3
LAT= 12.0	U =	2.428 /	4.0	V =	2.469 /		W =	.025357 /	7.4	T≈		. 3
LAT= 18.0	U =	2.305 /	4.3	V =	3.720 /		W=	.024532 /	8.3	T =		. 6
LAT 24.0	U ÷	2.198 /	4.4	V =	4.906 /		W =	.026054 /	9.4	T =		. 3
LAT = 30.0	ι = !!=	2.752 /	4.3	V =	6.207 /		W =	.028142 /		Ţ = T -		. 4
LAT = 36.0	U =	4.385 /		V =	8.205 /		W =	.026637 /		T≃ T-		. 4
LAT= 42.0	U=	6.500 /	4.9 5.5	V =	10.159 /		W =	.022604 /	.7	T =	2.472 / 10	
LAT = 48.0	U = U =	8.255 / 10.050 /		V =	11.676 / 12.679 /		W =	.020245 /	1.8	T≖ T≢	2.416 / 11. 2.358 /	
LAT= 54.0 LAT= 60.0	U=	11.515 /	6.1 6.8	V = V =	12.679 / 12.820 /		W =	.018679 / .014428 /	3.1 4.0	≠ T ==		. 4 . 1
LAT= 66.0	U≡	10.661 /	7.5	V =	12.295 /		W =	.016056 /	4.5	T=		. 8
LAT= 72.0	U=	10.449 /	7.7	V =	10.349 /		w-	.007452 /	5.2	T=		. 9
LAT= 78.0	U=	7.920 /	7.8	V =	7.211 /		W=	.003452 /	8.3	T=		. 9
2	-	//		• -	,		-	. 500 .52 /				

Table B6. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 115.091	км									
2- 113.091	13.00									
LAT=-78.0	U=	7.523 / 3.	3 v=	5.902 /	. 6	W=	.003915 /	9.7	T =	.728 / 6.7
LAT=-72.0	Ū=	10.842 / 3.		9.515 /		W =	.004854 /		Ť=	.936 / 7.4
LAT=-66.0	Ü=	12.976 / 3.		12.635 /	. 3	W=	.004809 /		T =	1.083 / 8.3
LAT=-60.0	Ū≖	15.900 / 3.		15.366 /	. 3	w=	.010955 /		Τ=	2.101 / 7.6
LAT=-54.0	ũ=	17.209 / 3.		17.254 /	. 2	w =	.017499 /		T=	3.105 / 7.3
LAT=-48.0	Ü=	17.738 / 3.		17.960 /	. 2	W=	.027532 /		T=	4.645 / 7.2
LAT=-42.0	Ũ=	7.160 / 3.		17,198 /		wi≖	.038053 /		T=	6.219 / 7.0
LAT=-36.0	Ū≖	15.496 / 3.		14.957 /	. 3	w=	.048131 /		Ť=	7.688 / 6.9
LAT=-30.0	U=	13.208 / 3.		11.338 /	. 5	W=	.054821 /		T =	8.658 / 6.8
LAT=-24.0	U=	10.633 / 3.	7 y=	7.036 /	. 9	W=	.055329 /		T=	8.706 / 6.8
LAT=-18.0	U=	8.161 / 3.	9 V=	3.592 /	2.2	W=	.048590 /		T=	7.695 / 6.8
LAT=-12.0	U=	6.046 / 4.	0 V=	3.646 /	4.3	W=	.037043 /		T =	5.979 / 6.9
LAT= -6.0	U=	4.359 / 4.	2 v=	4.944 /	5.3	W=	.022299 /	9.1	Ţ=	3.743 / 7.0
LAT= 2.0	บ≂	3.305 / 4.	1 V=	4.851 /	5.9	W=	.011489 /	8.1	T≖	1.688 / 7.3
LAT= 6.0	U=	2.908 / 3.		3.290 /		W=	.012698 /	6.7	T=	.355 / 7.1
LAT= 12.0	u≖	2.820 / 3.		1.116 /		W=	.017114 /		T=	.534 / 4.6
LAT= 18.0	U=	2.768 / 4.		.716 /	. 9	W=	.020390 /		T =	1.100 / 5.5
LAT= 24.0	U=	2.747 / 4.		2.347 /	2.6	W=	.026383 /		T=	2.057 / 6.4
LAT= 30.0	ŲΞ	2.907 / 4.		4.262 /	4.0	W =	.031654 /	9.6	T≠	2.908 / 7.2
LAT= 36.0	U=	3.826 / 3.		6.609 /	5.0	W =	.032889 /		T =	3.359 / 8.0
LAT= 42.0	U≠	5.493 / 4.		8.820 /	6.0	W =	.030176 /	11.2	Ť =	3.472 / 8.8
LAT= 48.0	U=	7.045 / 4.		10.443 /	6.8	W =	.026441 /		T≠	3.435 / 9.6
LAT= 54.0	U=	8.679 / 4.		11.562 /	7.5	W =	.022453 /		T-	3.398 / 10.4
LAT= 60.0	U=	10.288 / 5.		11.631 /	8.3	W =	.016357 /		Ţ=	3.107 / 10.9
LAT= 66.0	U=	9.060 / 6.		11.230 /	8.9	M =	.018928 /		T =	3.014 / 11.8
LAT= 72.0	U=	9.825 / 6.		9.824 /		W=	.007848 /		T=	1.660 / 11.7
LAT= 78.0	Ų=	7.839 / 6.	4 v=	7.084 /	10.0	W=	.002055 /	9.5	T =	.340 / 10.7
Z= 119.451	v M									
2- 113.431	*****									·
LAT=-78.0	U=	5.865 / 2.	3 v=	4.803 /	11 7	W =	.003955 /	8.2	T =	.642 / 5.2
LAT=-72.0	U=	8.480 / 2.		7.609 /	11 5	w=	.004983 /		T=	.891 / 6.2
LAT=-66.0	Ü=	10.237 / 2.		10.054 /		W =	.005512 /		T=	1.269 / 7.2
LAT=-60.0	Ū=	12.578 / 2.		12.205 /		W=	.011875 /		T=	2.255 / 6.7
LAT=-54.0	Ü=	13.638 / 2.		13.730 /		w=	.018388 /		Ť=	3.192 / 6.4
LAT=-48.0	Ú=	14.279 / 2.		14.390 /		W=	.028688 /		Ť=	4.684 / 6.2
LAT =-42.0	U =	14.097 / 2.		13.976 /		₩≈	.039742 /		T=	6.254 / 6.0
LAT=-36.0	U=	13.171 / 2.		12.448 /		w=	.050458 /		T=	7.774 / 5.8
LAT=-30.0	U=	11.797 / 2.		9.915 /		w=	.058494 /		T=	8.935 / 5.7
LAT=-24.0	U=	10.149 / 2.	8 V≃	6.895 /	12.0	Wa	.061032 /		T =	9.327 / 5.7
LAT=-18.0	U=	8.436 / 3.		4.485 /	1.1	W =	.056875 /	8.6	T =	8.797 / 5.7
LAT=-12.0	U=	6.867 / 3.		4.168 /	2.6	W=	.047553 /		T =	7.503 / 5.8
LAT= -6.0	U=	5.424 / 3.		5.035 /	3.6	W =	.034181 /		Ţ=	5.698 / 6.1
LAT= 0.0	Ų=	4.337 / 3.		5.274 /	4.3	# =	.020773 /		7 ≠	3.856 / €.4
LAT= 6.0	U=	3.704 / 3.		4.468 /	4.7	w=	.012000 /		T =	2.487 / 6.8
LAT= 12.0	U≃	3.448 / 3.		3.050 /	5.0	,M =	.011930 /		T≃	1.738 / 6.9
LAT= 18.0	U≖	3.353 / 3.		2.016 /	4.9	W =	.016656 /		Ť=	1.819 / 6.6
LAT = 24.0	U =	3.374 / 3.		1.987 /	3.9	W =	.025025 /		Ť=	2.534 / 6.4
LAT = 30.0	U =	3.470 / 3.		3.526 /	3.9	W=	.032720 /		T =	3.442 / 6.7
LAT= 36.0	U=	3.983 / 3.		5.674 /	4.4	w=	.036754 /		T =	4.136 / 7.2
LAT= 42.0	U=	5.098 / 3.		7.798 /	5.0	W =	.036076 /		† = -	4.472 / 7.8
LAT = 48.0	U =	6.277 / 3.		9.275 /	5.7	W =	.033395 /		T≠	4.570 / 8.4
LAT= 54.0	U≃ !!-	7.595 / 3. 9.121 / 4.		10.312 /	6.3	₩=	.029480 /		T =	4.615 / 9.1
LAT= 60.0	U= U≠			10.253 /	7.0	W =	.024037 /		T*	4.437 / 9.4
LAT= 66.0 LAT= 72.0	U≠ U=	7.555 / 4. 8.537 / 5.		9.725 / 8.712 /	7.6 8.2	M =	.023649 /		T≠ T≠	3.965 / 10.4 2.317 / 10.0
LAT= 72.0	U=	7.046 / 5.		6.563 /	8.2	M=	.010926 /		T#	.741 / 9.1
LAT- /0.0	J-	1.070 / 5.	. y #	0.303 /	5.0		.0023/3 /			**** / 3.1

Table B6. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

	· · · · · · · · · · · · · · · · · · ·									
Z= 124.175	KM									
LAT=-78.€	U=	4.726 /	1.5	٧±	4.123 / 10.9	W≖	.003967 / 7.1	T=	.535 /	4.5
LAT=-72.0	Ü=	6.839 /	1.5	V=	6.324 / 10.7	W=	.005185 / 7.9	T=	.866 /	5.5
LAT=-66.0	υ=	8.369 /	1.5	V =	8.277 / 10.5	W=	.006694 / 8.9	T=	1.425 /	6.4
LAT=-60.0	U=	10.256 /	1.5	٧×	9.965 / 10.5	w=	.013341 / 8.5	T=	2.354 /	5.8
LAT=-54.0	U=	11.083 /	1.5	V =	11.158 / 10.4	w =	.019985 / 8.3	T=	3.195 /	5.7
LAT=-48.0	U=	11.706 /	1.4	V =	11.692 / 10.4	W=	.030551 / 8.1	Τ=	4.547 /	5.5
LAT=-42.0	U =	11.731 /	1.5	V×	11.406 / 10.4	W=	.041867 / 8.0	Ť =	5.961 /	5.2
LAT=-36.0	Ų=	11.214 /	1.7	V =	10.292 / 10.5	W =	.052879 / B.O	T =	7.364 /	5.0
LAT=-30.0	U=	10.422 /	1.9	V =	8.434 / 10.8	₩=	.061645 / 7.9	Τ=	8.527 /	4.9
LAT=-24.0	U≖	9.397 /	2.0	V =	6.260 / 11.3	w =	.065442 / 7.9	T=	9.099 /	4.9
LAT=-18.0	U≖	8.241 /	2.2	V=	4.720 / .2	W =	.063057 / 7.9	T≖	8.923 /	5.0
LAT=-12.0	U≠	7.102 /	2.5	V =	4.519 / 1.5	W=	.055675 / 8.0	T=	8.109 /	5.1
LAT= -6.0	U=	5.951 /	2.6	V =	5.336 / 2.4	W =	.044083 / 8.1	T =	6.776 /	5.3
LAT= 0.0	U=	4.992 /	2.7	V ≠	5.787 / 3.1	W=	.031796 / 8.4	T=	5.385 /	5.7
LAT= 6.0	U≃	4.342 /	2.7	Vع	5.503 / 3.5	W =	.022044 / 8.6	T =	4.258 /	6.2
LAT= 12.0	U≖	4.015 /	2.7	V =	4.687 / 3.8	W =	.017578 / 8.6	T =	3.575 /	6.4
LAT= 18.0	U≖	3.885 /	2.8	V =	4.014 / 4.0	W=	.018910 / 8.5	T≖	3.348 /	6.5
LAT= 24.0	U=	3.921 /	2.9	V=	3.614 / 3.9	W=	.025525 / 8.4	T =	3.568 /	6.4
LAT= 30.0	U=	4.037 /	2.9	V =	4.198 / 3.9	₩ =	.033481 / 8.7	T =	4.140 /	6.4
LAT= 36.0	U=	4.429 /	2.8	V=	5.661 / 4.0	₩≃	.039168 / 9.1	T≠	4.786 /	6.7
LAT= 42.0	U≠	5.220 /	2.7	V =	7.402 / 4.3	₩=	.040508 / 9.8	T=	5.221 /	7.1
LAT= 48.0	U =	6.120 /	2.8	V =	8.647 / 4.8	W =	.039389 / 10.5	T =	5.429 /	7.6
LAT= 54.0	U≖	7.205 /	3.1	V =	9.608 / 5.4	W =	.037329 / 11.3	T=	5.572 /	8.2
LAT= 60.0	U=	8.689 /	3.5	V =	9.519 / 5.8	W=	.034662 / 11.7	T =	5.615 /	8.4
LAT= 66.0	\i =	6.838 /	4.0	V =	8.875 / 6.5	W=	.031011 / 1.1	T=	4.610 /	9.3
LAT= 72.0	U =	7.690 /	4.1	V =	8.022 / 7 .1	W =	.016215 / .7	T =	2.852 /	8.9
LAT= 78.0	U=	6.434 /	4.2	V =	6.266 / 7.6	W=	.004159 / 10.5	T=	1.112 /	8.1
Z= 129.367	KM									
LAT=-78.0	U≠	4.008 /	. 7	٧=	3.698 / 10.1	W≈	.003753 / 6.2	T =	.423 /	4.2
LAT=-72.0	U=	5.820 /	. 7	V ≠	5.555 / 9.9	w=	.005210 / 7.3	T =	.842 /	5.2
LAT=-66.0	U=	7.233 /	. 9	V =	7.178 / 9.9	W=	.007973 / 8.3	T≖	1.508 /	5.8
LAT=-60.0	'=	B.810 /	.8	V =	9.553 / 9.8	W =	.014759 / 7.9	T =	2.340 /	5.3
LAT=-54.0	U=	9.460 /	. 8	V =	9.492 / 9.7	W =	.021467 / 7.7	T =	3.066 /	5.2
LAT=-48.0	U=	10.013 /	- 8	V =	9.881 / 9.7	W=	.032078 / 7.5	T =	4.214 /	5.0
LAT=-42.0	∪ =	10.136 /	. 9	V×	9.613 / 9.7	W =	.043346 / 7.4	T ±	5.405 /	4.7
LAT=-36.0	U =	9.817 /	1.0	V =	8.692 / 9.8	W =	.054277 / 7.4	T≠	6.592 /	4.5
LAT=-30.0	U=	9.361 /	1.2	V =	7.217 / 10.1	W=	.063357 / 7.3	T ≃	7.645 /	4.4
LAT=-24.0	U=	8.709 /	1.3	V =	5.579 / 10.7	W =	.067996 / 7.3	T=	8.275 /	4.4
LAT=-18.0	U=	7.920 /	1.5	V =	4.583 / 11.6	W≈	.067107 / 7.3	T =	8.355 /	4.5
LAT=-12.0	U=	7.089 /	1.8	V =	4.650 / .7	W=	.061470 / 7.4	Ť ≃	7.929 /	4.6
LAT≃ -6.0	U =	6.179 /	1.9	V =	5.472 / 1.5	W =	.051955 / 7.6	ŢΞ	7.088 /	4.8
LAT≈ 0.0	IJ=	5.379 /	2.1	V =	6.079 / 2.2	₩≈	.041575 / 8.0	T =	6.163 /	5.1
LAT= 6.0	U =	4.793 /	2.1	V =	6.131 / 2.6	₩=	.032923 / 8.4	T =	5.382 /	5.6
LAT= 12.0	U=	4.467 /	2.2	V =	5.722 / 3.0	W =	.027823 / 8.6	T⇒	4.863 /	5.9
LAT= 18.0	U=	4 344 /	2.2	V =	5.343 / 3.3	W =	.026769 / 8.7	T =	4.634 /	6.1
LAT= 24.0	U=	4.402 /	2.2	V =	5.010 / 3.5	W =	.029701 / 8.6	† =		6.1
LAT= 30.0	U =	4.560 /	2.2	V =	5.222 / 3.6	w=	.035621 / 8.6	T =		6.2
LAT= 36.0	U =	4.943 /	2.2	V =	6.111 / 3.6	W =	.041401 / 8.9	T =		6.4
LAT= 42.0	U=	5.578 /	2.1	V =	7.385 / 3.8	w =	.044577 / 9.4	τ=		6.7
LAT= 48.0	Ū=	6.309 /	2.2	v =	8.419 / 4.1	W =	.044535 / 10.0	T=		7.1
LAT= 54.0	Ū=	7.271 /	2.5	v=	9.236 / 4.6	W =	.045384 / 10.8	T=		7.5
LAT= 60.0	U=	8.806 /	2.8	V =	9.257 / 5.0	W =	.046501 / 11.2	T =		7.7
LAT= 66.0	Ú≖	6.804 /	3.1	V≖	8.716 / 5.6	W=	.039952 / .5	T=		8.6
LAT= 72.0	U=	7.419 /	3.2	V=	7.936 / 6.2	W =	.023032 / 12.0	T=		8.1
LAT= 78.0	U=	6.211 /	3.3	V =	6.395 / 6.7	W=	.006843 / 10.4	T=	1.400 /	7.4
·		•		-			·		•	

Table B6. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

						····		
Z= 135.169	KM							
LAT=-78.0	U=	3.499 / 12.0	٧±	3.390 / 9.5	W=	.003101 / 5.5	Ť=	.354 / 4.2
LAT=-72.0	Ų=	5.114 / 12.0	V =	4.978 / 9.3	W=	.005042 / 6.8	T =	.822 / 4.9
LAT=-66.0	U=	6.459 / .2	V =	6.395 / 9.1	W =	.009230 / 7.7	T≠	1.526 / 5.3
LAT=-60.0	U≃	7.810 / .1	V =	7.552 / 9.1	W=	.015954 / 7.3	T =	2.250 / 4.9
LAT=-54.0	U=	8.330 / .1	V =	8.312 / 9.0	₩≠	.022569 / 7.2	Ţ≖	2.864 / 4.7
LAT=-48.0	U=	8.817 / .1	V =	8.593 / 9.0	W =	.032969 / 7.1	Ţz	3.812 / 4.5
LAT=-42.0	U =	8.944 / .2	٧×	8.307 / 9.0	W=	.043794 / 6.9	Ţ=	4.766 / 4.3
LAT=-36.0	U= U=	8.745 / .4 8.478 / .6	V = V =	7.503 / 9.2	W=	.054363 / 6.8 .063475 / 6.7	T= T=	5.724 / 4.1 6.625 / 4.1
LAT=-30.0 LAT=-24.0	U=	8.478 / .7	V =	6.267 / 9.5 4.997 / 10.1	W= W≃	.063475 / 6.7 .068763 / 6.7	T=	6.625 / 4.1 7.242 / 4.0
LAT=-18.0	U=	7.516 / 1.0	V =	4.320 / 11.0	W=	.069291 / 6.7	T=	7.492 / 4.0
LAT=-12.0	U=	6.913 / 1.2	V=	4.578 / 12.0	W=	.065328 / 6.9	T=	7.343 / 4.1
LAT= -6.0	U=	6.207 / 1.3	V =	5.413 / .8	W=	.058107 / 7.1	T=	6.915 / 4.4
LAT= 0.0	Ü=	5.569 / 1.5	V =	6.097 / 1.4	W=	.049871 / 7.5	T=	6.403 / 4.7
LAT= 6.0	Ŭ=	5.086 / 1.5	v=	6.356 / 1.9	w=	.042858 / 8.0	T=	5.959 / 5.2
LAT= 12.0	U⇒	4.807 / 1.5	V=	6.259 / 2.3	W=	.038483 / B.3	T =	5.668 / 5.4
LAT= 18.0	U≂	4.729 / 1.6	V =	6.110 / 2.6	W=	.036556 / 8.4	₹ =	5.514 / 5.6
LAT= 24.0	U≠	4.827 / 1.6	V =	5.942 / 2.9	W=	.036858 / 8.5	T =	5.469 / 5.8
LAT= 30.0	U=	5.038 / 1.6	V =	6.066 / 3.1	W =	.039887 / B.6	T≖	5.559 / 5.9
LAT= 36.0	U≖	5.457 / 1.5	V =	6.637 / 3.2	W =	.044498 / 8.8	T =	5.845 / 6.1
LAT= 42.0	U=	6.025 / 1.6	٧×	7.541 / 3.4	W=	.048584 / 9.1	T=	6.177 / 6.3
LAT= 48.0	U=	6.663 / 1.8	V =	8.379 / 3.7	₩=	.049797 / 9.7	T≠	6.302 / 6.7
LAT= 54.0	U=	7.558 / 2.0	V =	9.096 / 4.0	W =	.053150 / 10.4	T =	6.525 / 7.1
LAT= 60.0	u=	9.211 / 2.2	V =	9.227 / 4.4	W=	.058077 / 10.7	T=	6.920 / 7.2
LAT= 66.0	U=	7.104 / 2.4	V =	8.858 / 4.9	₩=	.048942 / 11.9	T=	5.172 / 8.0
LAT= 72.0	U=	7.558 / 2.5	V =	8.306 / 5.4	W=	.031094 / 11.4	T=	3.511 / 7.5
LAT= 78.0	U=	6.302 / 2.6	V =	6.840 / 5.9	W=	.010825 / 10.2	T=	1.640 / 6.9
Z= 141.772	KM							
LAT=-78.0	U=	3.046 / 11.4	V=	3.070 / 8.9	W =	.002273 / 4.6	T=	.331 / 4.3
LA:=-72.0	U≖	4.505 / 11.4	V =	4.436 / 8.7	w=	.004608 / 6.4	Τ±	.810 / 4.6
LAT=-66.0	บ=	5.814 / 11.6	V =	5.690 / 8.5	₩=	.010481 / 7.2	T =	1.508 / 4.8
LAT=-60.0	U=	6.956 / 11.5	V =	6.689 / 8.5	W=	.017037 / 6.8	T =	2.136 / 4.4
LAT=-54.0	U=	7.375 / 11.5	V =	7.327 / 8.5	W=	.023444 / 6.6	T =	2.664 / 4.3
LAT=-48.0	U=	7.786 / 11.6	V =	7.538 / 8.5	W=	.033421 / 6.4	T =	3.423 / 4.1
LAT=-42.0	U≖	7.920 / 11.7	V =	7.285 / 8.5	W=	.043781 / 6.3	T =	4.194 / 3.9
LAT=-36.0	U=	7.777 / 11.8	٧×	6.582 / 8.6	W =	.053723 / 6.3	T =	4.929 / 3.7
LAT=-30.0	U=	7.642 / 12.0	V =	5.564 / 9.0	W =	.062753 / 6.2	T≖	5.674 / 3.7
LAT=-24.0	U=	7.385 / .1	V =	4.553 / 9.6	W=	.068557 / 6.2	T=	6.236 / 3.6
LAT=-18.0	U=	7.034 / .4	V =	4.090 / 10.5	₩=	.070321 / 6.2	Ţ=	6.567 / 3.6
LAT=-12.0	U= U=	6.618 / .6	V =	4.400 / 11.4	W =	.068063 / 6.4	T =	6.618 / 3.7
LAT= -6.0 LAT= 0.0	U=	6.096 / .7 5.622 / .9	V = V =	5.199 / .1 5.917 / .7	W=	.062884 / 6.7 .056917 / 7.1	T= T=	6.487 / 4.0
LAT= 0.0	U=	5.257 / .9	V =	5.917 / .7 6.316 / 1.1	W= W=		T=	6.314 / 4.3 6.181 / 4.7
LAT= 0.0	U=	5.059 / 1.0	V = V =	6.397 / 1.6	W≠		T=	6.181 / 4.7 6.088 / 5.0
LAT= 12.0	U=	5.043 / 1.0	V = V =	6.473 / 2.0	W =	.04833 4 / 7.9 .04666 0 / 8.2	T =	6.062 / 5.3
LAT= 24.0	U=	5.198 / 1.0	V =	6.441 / 2.3	W =	.045429 / 8.3	T=	6.041 / 5.5
LAT= 30.0	U=	5.465 / 1.1	V ~	6.606 / 2.7	W =	.046019 / 8.5	T =	6.056 / 5.7
LAT= 36.0	U=	5.939 / 1.1	V =	7.034 / 2.8	W=	.049042 / 8.6	T =	6.230 / 5.9
LAT= 42.0	U=	6.487 / 1.1	V =	7.727 / 2.9	W=	.053057 / 8.9	Τ=	6.461 / 6.1
LAT= 48.0	U=	7.069 / 1.3	V =	8.332 / 3.2	W=	.055497 / 5.5	T =	6.529 / 6.3
LAT= 54.0	U =	7.916 / 1.5	V =	9.076 / 3.5	W=	.060500 / 10.1	T=	6.685 / 6.7
LAT= 60.0	Ū=	9.714 / 1.7	V =	9.313 / 3.9	w =	.068494 / 10.3	T=	7.172 / 6.8
LAT= 66.0	Ū=	7.502 / 1.8	V =	9.106 / 4.3	W=	.056515 / 11.5	Ť=	5.197 / 7.6
LAT= 72.0	U=	7.892 / 1.8	V =	8.752 / 4.8	W =	.038936 / 11.0	T=	3.676 / 7.1
LAT= 78.0	U≖	6.576 / 1.9	V =	7.486 / 5.2	W =	.016292 / 10.0	T =	1.845 / 6.5
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Table B6. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78° S to 78° N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

- 440 405	****							
Z= 149.425	i K Mi							
1				0.555 / 5.0			_	
LAT=-78.0	U=	2.663 / 10.9	V =	2.775 / B.3	W =	.001803 / 3.6	T =	.313 / 4.4
LAT=-72.0	U=	3.983 / 10.9	V =	3.977 / 8.1	W =	.004541 / 5.9	T =	.777 / 4.2
LAT=-66.0	U =	5.273 / 11.1	V =	5.084 / 8.1	W =	.011794 / 6.6	T=	1.463 / 4.2
LAT=-60.0	U=	6.232 / 11.0	V =	5.949 / 8.0	W =	.018305 / 6.2	T =	2.005 / 4.0
LAT=-54.0	U=	6.574 / 11.1	V =	6.481 / 7.9	W =	.024572 / 6.1	T =	2.461 / 3.8
LAT=-48.0	U=	6.928 / 11.0	V =	6.639 / 7.9	₩=	.034310 / 5.9	T =	3.085 / 3.6
LAT=-42.0	U=	7.034 / 11.1	V=	6.416 / 8.0	w =	.044191 / 5.8	T =	3.696 / 3.4
LAT=-36.0	U=	6.939 / 11.3	V =	5.821 / 8.1	W=	.053637 / 5.6	T=	4.262 / 3.2
LAT=-30.0	U≃	6.881 / 11.5	V =	4.996 / 8.5	W. =	.062498 / 5.5	T =	4.861 / 3.2
LAT=-24.0	U=	6.731 / 11.6	V =	4.230 / 9.0	w=	.068625 / 5.6	T=	5.347 / 3.0
LAT=-18.0	Ū=	6.533 / 11.8	V≠	3.899 / 9.9	₩≠	.071384 / 5.7	T=	5.684 / 1.2
LAT=-12.0	Ü≖	6.252 / 11.9	V =	4.223 / 10.8	W=	.070463 / 5.8	T =	5.875 / 3.3
LAT= -6.0	U=	5.897 / .1	V =	4.951 / 11.5	W=	.067162 / 6.2	Ť=	5.927 / 3.5
LAT= 0.0	U=	5.581 / .3	V =	5.640 / .1	W=	.063152 / 6.6	T=	6.024 / 4.0
LAT= 6.0	U≖		V= V=					
	U=	5.340 / .3 5.236 / .3	-	6.096 / .5	W=	.059815 / 7.1	T =	6.131 / 4.4 6.238 / 4.7
LAT= 12.0			V =	6.312 / 1.0	W=	.057683 / 7.5	Ţ=	
LAT= 18.0	U=	5.292 / .4	V =	6.491 / 1.5	W=	.056136 / 7.8	T =	6.340 / 5.0
LAT = 24.0	U=	5.511 / .5	V=	6.609 / 1.8	W =	.054456 / 8.1	Ţ=	6.380 / 5.2
LAT= 30.0	U=	5.827 / .6	V =	6.828 / 2.2	W =	.053281 / 8.3	T =	6.382 / 5.4
LAT= 36.0	U=	6.359 / .6	V =	7.214 / 2.4	W=	.054641 / 8.5	Ť=	6.495 / 5.7
LAT= 42.0	U≈	6.917 / .7	V =	7.766 / 2.6	₩≖	.058244 / 8.8	Τ=	6.662 / 5.8
LAT= 48.0	U=	7.464 / .9	V =	8.396 / 2.9	W=	.061612 / 9.2	T =	6.664 / 6.1
LAT= 54.0	Ų=	8.274 / 1.1	V =	9.040 / 3.1	W=	.067348 / 9.7	T =	6.735 / 6.4
LAT= 60.0	U=	10.204 / 1.2	V =	9.410 / 3.5	W=	.077546 / 9.9	T =	7.256 / 6.4
LAT= 66.0	U≖	7.910 / 1.3	V=	9.357 / 3.8	W=	.062388 / 11.0	T=	5.121 / 7.2
LAT= 72.0	U=	8.267 / 1.4	V=	9.167 / 4.3	W=	.045862 / 10.5	T =	3.756 / 6.7
LAT= 78.0	U=	6.928 / 1.4	V =	8.077 / 4.7	W=	.021692 / 9.7	T =	2.012 / 6.1
				•		,		·
Z= 158,420	KM							
Z= 158.420	KM							
ĺ		2.346 / 10.5	۷±	2.511 / 7.8	w=	.001586 / 3.1	T.	291 / 4.2
LAT=-78.0	U=	2.346 / 10.5 3.554 / 10.5	V = V =	2.511 / 7.8 3.573 / 7.6	W= W=	.001586 / 3.1	7 = 7 =	.291 / 4.2
LAT=-79.0 LAT=-72.0	U= U=	3.554 / 10.5	V =	3.573 / 7.6	W≂	.004960 / 5.5	Ť =	.728 / 3.8
LAT=-79.0 LAT=-72.0 LAT=-66.0	U= U= U=	3.554 / 10.5 4.795 / 10.6	V = V =	3.573 / 7.6 4.555 / 7.6	W≈ W≃	.004960 / 5.5 .013406 / 6.1	T= T=	.728 / 3.8 1.411 / 3.6
LAT=-79.0 LAT=-72.0 LAT=-66.0 LAT=-60.0	U= U= U= U=	3.554 / 10.5 4.795 / 10.6 5.611 / 10.5	V = V = V =	3.573 / 7.6 4.555 / 7.6 5.302 / 7.5	W= W=	.004960 / 5.5 .013406 / 6.1 .020083 / 5.6	T= T=	.728 / 3.8 1.411 / 3.6 1.890 / 3.4
LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0	U= U= U= U=	3.554 / 10.5 4.795 / 10.6 5.611 / 10.5 5.892 / 10.6	V = V = V =	3.573 / 7.6 4.555 / 7.6 5.302 / 7.5 5.747 / 7.5	M= M= M=	.004960 / 5.5 .013406 / 6.1 .020083 / 5.6 .026306 / 5.6	T= T= T=	.728 / 3.8 1.411 / 3.6 1.890 / 3.4 2.293 / 3.3
LAT=-73.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-48.0	U= U= U= U= U=	3.554 / 10.5 4.795 / 10.6 5.611 / 10.5 5.892 / 10.6 6.193 / 10.6	V = V = V = V =	3.573 / 7.6 4.555 / 7.6 5.302 / 7.5 5.747 / 7.5 5.868 / 7.5	M= M= M= M=	.004960 / 5.5 .013406 / 6.1 .020083 / 5.6 .026306 / 5.6 .036020 / 5.4	T= T= T= T=	.728 / 3.8 1.411 / 3.6 1.890 / 3.4 2.293 / 3.3 2.824 / 3.1
LAT=-79.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-48.0 LAT=-42.0	U= U= U= U= U= U=	3.554 / 10.5 4.795 / 10.6 5.611 / 10.5 5.892 / 10.6 6.193 / 10.6 6.295 / 10.6	V = V = V = V = V =	3.573 / 7.6 4.555 / 7.6 5.302 / 7.5 5.747 / 7.5 5.868 / 7.5 5.677 / 7.5	M = M = M = M = M = M = M = M =	.004960 / 5.5 .013406 / 6.1 .020083 / 5.6 .026306 / 5.6 .036020 / 5.4 .045634 / 5.3	T = T = T = T = T =	.728 / 3.8 1.411 / 3.6 1.890 / 3.4 2.293 / 3.3 2.824 / 3.1 3.319 / 2.9
LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-48.0 LAT=-42.0 LAT=-36.0	U= U= U= U= U= U=	3.554 / 10.5 4.795 / 10.6 5.611 / 10.5 5.892 / 10.6 6.193 / 10.6 6.295 / 10.6 6.214 / 10.7	V = V = V = V = V = V = V = V = V = V =	3.573 / 7.6 4.555 / 7.6 5.302 / 7.5 5.747 / 7.5 5.868 / 7.5 5.677 / 7.5 5.193 / 7.6	M= M= M= M= M= M=	.004960 / 5.5 .013406 / 6.1 .020083 / 5.6 .026306 / 5.6 .036020 / 5.4 .045634 / 5.3 .054675 / 5.1	T= T= T= T= T= T=	.728 / 3.8 1.411 / 3.6 1.890 / 3.4 2.293 / 3.3 2.824 / 3.1 3.319 / 2.9 3.750 / 2.7
LAT=-73.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-48.0 LAT=-36.0 LAT=-36.0	U= U= U= U= U= U= U=	3.554 / 10.5 4.795 / 10.6 5.611 / 10.5 5.892 / 10.6 6.193 / 10.6 6.295 / 10.6 6.214 / 10.7 6.209 / 10.9	V = V = V = V = V = V = V = V = V = V =	3.573 / 7.6 4.555 / 7.6 5.302 / 7.5 5.747 / 7.5 5.868 / 7.5 5.677 / 7.5 5.677 / 7.6 4.550 / 8.0	M = M = M = M = M = M = M = M = M = M =	.004960 / 5.5 .013406 / 6.1 .020083 / 5.6 .026306 / 5.6 .036020 / 5.4 .045634 / 5.3 .054675 / 5.1 .063382 / 5.0	T= T= T= T= T= T= T=	.728 / 3.8 1.411 / 3.6 1.890 / 3.4 2.293 / 3.3 2.824 / 3.1 3.319 / 2.9 3.750 / 2.7 4.218 / 2.7
LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-48.0 LAT=-42.0 LAT=-36.0 LAT=-30.0 LAT=-24.0	U= U= U= U= U= U= U=	3.554 / 10.5 4.795 / 10.6 5.611 / 10.5 5.892 / 10.6 6.193 / 10.6 6.295 / 10.6 6.214 / 10.7 6.209 / 10.9 6.128 / 11.1	V = V = V = V = V = V = V = V = V = V =	3.573 / 7.6 4.555 / 7.6 5.302 / 7.5 5.747 / 7.5 5.868 / 7.5 5.677 / 7.5 5.193 / 7.6 4.550 / 8.0 3.975 / 8.6	M = = = = = = = = = = = = = = = = = = =	.004960 / 5.5 .013406 / 6.1 .020083 / 5.6 .026306 / 5.6 .036020 / 5.4 .045634 / 5.3 .054675 / 5.1 .063382 / 5.0 .069701 / 5.0	T= T= T= T= T= T= T=	.728 / 3.8 1.411 / 3.6 1.890 / 3.4 2.293 / 3.3 2.824 / 3.1 3.319 / 2.9 3.750 / 2.7 4.218 / 2.7 4.605 / 2.6
LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-64.0 LAT=-54.0 LAT=-48.0 LAT=-36.0 LAT=-30.0 LAT=-30.0 LAT=-18.0	U = U = U U = U U U U U U U U U U U U U	3.554 / 10.5 4.795 / 10.6 5.611 / 10.5 5.892 / 10.6 6.193 / 10.6 6.295 / 10.6 6.214 / 10.7 6.209 / 10.9 6.128 / 11.1 6.031 / 11.3	V = V = V = V = V = V = V = V = V = V =	3.573 / 7.6 4.555 / 7.6 5.302 / 7.5 5.747 / 7.5 5.868 / 7.5 5.193 / 7.6 4.550 / 8.0 3.975 / 8.6 3.813 / 9.4	# # # # # # # # # # # # # # # # # # #	.004960 / 5.5 .013406 / 6.1 .020083 / 5.6 .026306 / 5.6 .036020 / 5.4 .045634 / 5.3 .054675 / 5.1 .063382 / 5.0 .069701 / 5.0	T= T= T= T= T= T= T=	.728 / 3.8 1.411 / 3.6 1.890 / 3.4 2.293 / 3.3 2.824 / 3.1 3.319 / 2.9 3.750 / 2.7 4.218 / 2.7 4.6020 / 2.7
LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-54.0 LAT=-54.0 LAT=-48.0 LAT=-42.0 LAT=-36.0 LAT=-24.0 LAT=-12.0	U= U= U= U= U= U= U= U= U=	3.554 / 10.5 4.795 / 10.6 5.611 / 10.5 5.892 / 10.6 6.193 / 10.6 6.295 / 10.6 6.214 / 10.7 6.209 / 10.9 6.128 / 11.1	V = V = V = V = V = V = V = V = V = V =	3.573 / 7.6 4.555 / 7.6 5.302 / 7.5 5.747 / 7.5 5.868 / 7.5 5.677 / 7.5 5.193 / 7.6 4.550 / 8.0 3.975 / 8.6	M = = = = = = = = = = = = = = = = = = =	.004960 / 5.5 .013406 / 6.1 .020083 / 5.6 .026306 / 5.6 .036020 / 5.4 .045634 / 5.3 .054675 / 5.1 .063382 / 5.0 .069701 / 5.0	T= T= T= T= T= T= T=	.728 / 3.8 1.411 / 3.6 1.890 / 3.4 2.293 / 3.3 2.824 / 3.1 3.319 / 2.9 3.750 / 2.7 4.218 / 2.7 4.605 / 2.6
LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-64.0 LAT=-54.0 LAT=-48.0 LAT=-36.0 LAT=-30.0 LAT=-30.0 LAT=-18.0	U = U = U U = U U U U U U U U U U U U U	3.554 / 10.5 4.795 / 10.6 5.611 / 10.5 5.892 / 10.6 6.193 / 10.6 6.295 / 10.6 6.214 / 10.7 6.209 / 10.9 6.128 / 11.1 6.031 / 11.3 5.865 / 11.4 5.647 / 11.6	V = V = V = V = V = V = V = V = V = V =	3.573 / 7.6 4.555 / 7.6 5.302 / 7.5 5.747 / 7.5 5.868 / 7.5 5.193 / 7.6 4.550 / 8.0 3.975 / 8.6 3.813 / 9.4	# # # # # # # # # # # # # # # # # # #	.004960 / 5.5 .013406 / 6.1 .020083 / 5.6 .026306 / 5.6 .036020 / 5.4 .045634 / 5.3 .054675 / 5.1 .063382 / 5.0 .069701 / 5.0 .072999 / 5.2	T= T= T= T= T= T= T=	.728 / 3.8 1.411 / 3.6 1.890 / 3.4 2.293 / 3.3 2.824 / 3.1 3.319 / 2.9 3.750 / 2.7 4.218 / 2.7 4.6020 / 2.7
LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-54.0 LAT=-54.0 LAT=-48.0 LAT=-42.0 LAT=-36.0 LAT=-24.0 LAT=-12.0	U= U= U= U= U= U= U= U= U=	3.554 / 10.5 4.795 / 10.6 5.611 / 10.5 5.892 / 10.6 6.193 / 10.6 6.295 / 10.6 6.214 / 10.7 6.209 / 10.9 6.128 / 11.1 5.865 / 11.4	V = V = V = V = V = V = V = V = V = V =	3.573 / 7.6 4.555 / 7.6 5.302 / 7.5 5.747 / 7.5 5.868 / 7.5 5.193 / 7.6 4.550 / 8.0 3.975 / 8.0 3.975 / 8.4 4.103 / 10.2	**************************************	.004960 / 5.5 .013406 / 6.1 .020083 / 5.6 .026306 / 5.6 .036020 / 5.4 .045634 / 5.3 .054675 / 5.1 .063382 / 5.0 .059701 / 5.0 .072999 / 5.2 .073277 / 5.4	T= T= T= T= T= T= T= T=	.728 / 3.8 1.411 / 3.6 1.890 / 3.4 2.293 / 3.3 2.824 / 3.1 3.319 / 2.9 3.750 / 2.7 4.218 / 2.7 4.605 / 2.6 4.920 / 2.9
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LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-54.0 LAT=-54.0 LAT=-48.0 LAT=-42.0 LAT=-30.0 LAT=-24.0 LAT=-12.0 LAT=-12.0 LAT=-6.0	U= U	3.554 / 10.5 4.795 / 10.6 5.611 / 10.5 5.892 / 10.6 6.193 / 10.6 6.295 / 10.6 6.214 / 10.7 6.209 / 10.9 6.128 / 11.1 6.031 / 11.3 5.865 / 11.4 5.647 / 11.6 5.471 / 11.7	V = V = V = V = V = V = V = V = V = V =	3.573 / 7.6 4.555 / 7.6 5.302 / 7.5 5.747 / 7.5 5.868 / 7.5 5.677 / 7.5 5.193 / 7.6 4.550 / 8.0 3.975 / 8.6 3.813 / 9.4 4.103 / 10.2 4.746 / 10.8 5.370 / 11.4	**************************************	.004960 / 5.5 .013406 / 6.1 .020083 / 5.6 .026306 / 5.6 .036020 / 5.4 .045634 / 5.3 .054675 / 5.1 .063382 / 5.0 .059701 / 5.0 .072999 / 5.2 .073277 / 5.4 .071103 / 5.6 .068866 / 6.2 .067050 / 6.7	T=	.728 / 3.8 1.411 / 3.6 1.890 / 3.4 2.293 / 3.3 2.824 / 3.1 3.319 / 2.9 3.750 / 2.7 4.218 / 2.7 4.605 / 2.6 4.920 / 2.7 5.140 / 2.9 5.336 / 3.1 5.616 / 3.1 5.616 / 3.0
LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-48.0 LAT=-42.0 LAT=-36.0 LAT=-36.0 LAT=-18.0 LAT=-12.0 LAT=-12.0 LAT=-12.0	0 = = = = = = = = = = = = = = = = = = =	3.554 / 10.5 4.795 / 10.6 5.611 / 10.5 5.892 / 10.6 6.193 / 10.6 6.295 / 10.6 6.214 / 10.7 6.209 / 10.9 6.128 / 11.1 5.865 / 11.4 5.647 / 11.6 5.471 / 11.7	V = V = V = V = V = V = V = V = V = V =	3.573 / 7.6 4.555 / 7.6 5.302 / 7.5 5.747 / 7.5 5.868 / 7.5 5.193 / 7.6 4.550 / 8.0 3.975 / 8.0 3.975 / 8.6 3.813 / 9.4 4.103 / 10.2 4.746 / 10.8 5.370 / 11.8 6.053 / .4	**************************************	.004960 / 5.5 .013406 / 6.1 .020083 / 5.6 .026306 / 5.6 .036020 / 5.4 .045634 / 5.3 .054675 / 5.1 .063382 / 5.0 .059701 / 5.0 .072999 / 5.2 .073277 / 5.4 .071103 / 5.6 .068866 / 6.2 .067050 / 6.7 .066079 / 7.1	T= T	.728 / 3.8 1.411 / 3.6 1.890 / 3.4 2.293 / 3.3 2.824 / 3.1 3.319 / 2.9 3.750 / 2.7 4.218 / 2.7 4.605 / 2.6 4.920 / 2.9 5.336 / 3.1 5.616 / 3.6 5.929 / 4.4
LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-36.0 LAT=-36.0 LAT=-30.0 LAT=-18.0 LAT=-12.0 LAT=-18.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-12.0		3.554 / 10.5 4.795 / 10.6 5.611 / 10.5 5.892 / 10.6 6.193 / 10.6 6.295 / 10.6 6.214 / 10.7 6.209 / 10.9 6.128 / 11.1 6.031 / 11.3 5.865 / 11.4 5.471 / 11.7 5.348 / 11.7 5.348 / 11.7 5.348 / 11.7 5.348 / 11.7	V = V = V = V = V = V = V = V = V = V =	3.573 / 7.6 4.555 / 7.6 5.302 / 7.5 5.747 / 7.5 5.868 / 7.5 5.677 / 7.5 5.193 / 7.6 4.550 / 8.0 3.975 / 8.6 3.813 / 9.4 4.103 / 10.2 4.704 / 10.8 5.370 / 11.4 5.825 / 11.8 6.322 / 9	**************************************	.004960 / 5.5 .013406 / 6.1 .020083 / 5.6 .026306 / 5.6 .036020 / 5.4 .045634 / 5.3 .054675 / 5.1 .063382 / 5.0 .069701 / 5.0 .072999 / 5.2 .073277 / 5.4 .071103 / 5.6 .068866 / 6.2 .067050 / 6.7 .066079 / 7.1	T= T	.728 / 3.8 1.411 / 3.6 1.890 / 3.4 2.293 / 3.3 2.824 / 3.1 3.319 / 2.9 3.750 / 2.7 4.218 / 2.7 4.605 / 2.6 4.920 / 2.7 5.140 / 2.9 5.336 / 3.1 5.616 / 3.6 5.929 / 4.0 6.190 / 4.7
LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-54.0 LAT=-54.0 LAT=-42.0 LAT=-36.0 LAT=-36.0 LAT=-24.0 LAT=-12.0 LAT=-12.0 LAT= 6.0 LAT= 6.0 LAT= 12.0 LAT= 12.0 LAT= 12.0		3.554 / 10.5 4.795 / 10.6 5.611 / 10.5 5.892 / 10.6 6.193 / 10.6 6.295 / 10.6 6.295 / 10.7 6.209 / 10.9 6.128 / 11.1 6.031 / 11.3 5.865 / 11.4 5.647 / 11.6 5.471 / 11.7 5.348 / 11.7 5.333 / 11.8 5.655 / 11.9 5.741 / 12.0	V = V = V = V = V = V = V = V = V = V =	3.573 / 7.6 4.555 / 7.6 5.302 / 7.5 5.747 / 7.5 5.868 / 7.5 5.193 / 7.6 4.550 / 8.0 3.975 / 8.6 3.813 / 9.4 4.103 / 10.2 4.746 / 10.8 5.370 / 11.4 5.825 / 11.8 6.053 / 4 6.322 / 9 6.484 / 1.3	**************************************	.004960 / 5.5 .013406 / 6.1 .020083 / 5.6 .026306 / 5.6 .036020 / 5.4 .045634 / 5.3 .054675 / 5.1 .063382 / 5.0 .059701 / 5.0 .072999 / 5.2 .073277 / 5.4 .071103 / 5.6 .068866 / 6.2 .067050 / 6.7 .066079 / 7.4 .063057 / 7.8	T= T	.728 / 3.8 1.411 / 3.6 1.890 / 3.4 2.293 / 3.3 2.824 / 3.1 3.319 / 2.7 4.218 / 2.7 4.605 / 2.6 4.920 / 2.7 5.140 / 2.9 5.336 / 3.6 5.929 / 4.0 6.190 / 4.4 6.416 / 4.7 6.537 / 5.0
LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-60.0 LAT=-48.0 LAT=-48.0 LAT=-42.0 LAT=-30.0 LAT=-24.0 LAT=-12.0 LAT=-6.0 LAT= 6.0 LAT= 12.0 LAT= 12.0 LAT= 12.0 LAT= 30.0		3.554 / 10.5 4.795 / 10.6 5.611 / 10.5 5.892 / 10.6 6.193 / 10.6 6.295 / 10.6 6.214 / 10.7 6.209 / 10.9 6.128 / 11.1 5.865 / 11.4 5.647 / 11.6 5.471 / 11.7 5.333 / 11.8 5.465 / 11.9 5.741 / 12.0 6.101 / .1	V = V = V = V = V = V = V = V = V = V =	3.573 / 7.6 4.555 / 7.6 5.302 / 7.5 5.747 / 7.5 5.868 / 7.5 5.193 / 7.6 4.550 / 8.0 3.975 / 8.0 3.975 / 8.0 3.975 / 9.4 4.103 / 10.2 4.746 / 10.8 5.376 / 11.8 6.053 / 4 6.322 / .9 6.484 / 1.3 6.756 / 1.7	**************************************	.004960 / 5.5 .013406 / 6.1 .020083 / 5.6 .026306 / 5.6 .036020 / 5.4 .045634 / 5.3 .054675 / 5.1 .063382 / 5.0 .059701 / 5.0 .072999 / 5.2 .073277 / 5.4 .071103 / 5.6 .068866 / 6.2 .067050 / 6.7 .066079 / 7.1 .063057 / 7.8 .060856 / 8.1	T= T	.728 / 3.8 1.411 / 3.6 1.890 / 3.4 2.293 / 3.3 2.824 / 3.1 3.319 / 2.9 3.750 / 2.7 4.218 / 2.7 4.605 / 2.6 4.920 / 2.7 5.140 / 2.9 5.336 / 3.1 5.616 / 3.6 5.929 / 4.4 6.416 / 4.7 6.537 / 5.2
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LAT=-78.0 LAT=-76.0 LAT=-66.0 LAT=-54.0 LAT=-54.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-12.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-8.0 LAT=-8.0 LAT=-8.0 LAT=-8.0 LAT=-8.0 LAT=-8.0 LAT=-8.0 LAT=-8.0 LAT=-8.0 LAT=-8.0 LAT=-8.0 LAT=-8.0		3.554 / 10.5 4.795 / 10.6 5.611 / 10.5 5.892 / 10.6 6.193 / 10.6 6.295 / 10.7 6.209 / 10.7 6.209 / 10.9 6.128 / 11.1 6.031 / 11.3 5.865 / 11.4 5.647 / 11.6 5.471 / 11.7 5.348 / 11.7 5.348 / 11.7 5.348 / 11.7 5.3465 / 11.9 5.741 / 12.0 6.101 / 12.0 6.101 / 12.0 6.101 / 13.0 6.101 / 13.0 6	V = V = V = V = V = V = V = V = V = V =	3.573 / 7.6 4.555 / 7.6 5.302 / 7.5 5.747 / 7.5 5.868 / 7.5 5.193 / 7.6 4.550 / 8.0 3.975 / 8.6 3.975 / 8.6 3.975 / 9.4 4.103 / 10.2 4.746 / 10.8 5.370 / 11.4 5.825 / 11.8 6.053 / 4 6.322 / 9 6.484 / 1.3 6.756 / 1.7 7.128 / 2.0 7.643 / 2.2	**************************************	.004960 / 5.5 .013406 / 6.1 .020083 / 5.6 .026306 / 5.6 .036020 / 5.4 .045634 / 5.3 .054675 / 5.1 .063382 / 5.0 .069701 / 5.0 .072999 / 5.2 .073277 / 5.4 .071103 / 5.6 .068866 / 6.2 .067050 / 6.7 .066079 / 7.4 .063057 / 7.8 .060856 / 8.1 .060856 / 8.3 .064190 / 8.5	T = T = T = T = T = T = T = T = T = T =	.728 / 3.8 1.411 / 3.6 1.890 / 3.4 2.293 / 3.3 2.824 / 3.1 3.319 / 2.9 3.750 / 2.7 4.218 / 2.7 4.605 / 2.6 4.920 / 2.7 5.140 / 2.9 5.336 / 3.6 5.929 / 4.0 6.190 / 4.4 6.416 / 4.7 6.537 / 5.0 6.557 / 5.2 6.657 / 5.2 6.66775 / 5.6
LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-48.0 LAT=-48.0 LAT=-42.0 LAT=-24.0 LAT=-12.0 LAT=-12.0 LAT= 6.0 LAT= 12.0 LAT= 12.0 LAT= 30.0 LAT= 30.0 LAT= 12.0 LAT= 48.0		3.554 / 10.5 4.795 / 10.6 5.611 / 10.5 5.892 / 10.6 6.193 / 10.6 6.295 / 10.6 6.214 / 10.7 6.209 / 10.9 6.128 / 11.3 5.865 / 11.4 5.647 / 11.6 5.471 / 11.7 5.333 / 11.8 5.465 / 11.9 5.741 / 12.0 6.101 / 1 6.695 / 1 7.277 / 3 7.820 / 5	V = V = V = V = V = V = V = V = V = V =	3.573 / 7.6 4.555 / 7.6 5.302 / 7.5 5.747 / 7.5 5.868 / 7.5 5.193 / 7.6 4.550 / 8.0 3.975 / 8.0 3.813 / 9.4 4.103 / 10.2 4.746 / 10.8 5.370 / 11.4 5.825 / 11.8 6.053 / .4 6.322 / .9 6.484 / 1.3 6.756 / 1.7 7.128 / 2.0 8.225 / 2.5	**************************************	.004960 / 5.5 .013406 / 6.1 .020083 / 5.6 .026306 / 5.6 .036020 / 5.4 .045634 / 5.3 .054675 / 5.1 .063382 / 5.0 .059701 / 5.0 .072999 / 5.2 .073277 / 5.4 .071103 / 5.6 .068866 / 6.2 .067050 / 6.7 .065063 / 7.4 .063057 / 7.8 .060856 / 8.1 .060856 / 8.1 .060856 / 8.5 .067461 / 8.9	T = T = T = T = T = T = T = T = T = T =	.728 / 3.8 1.411 / 3.6 1.890 / 3.4 2.293 / 3.3 2.824 / 3.1 3.319 / 2.9 3.750 / 2.7 4.218 / 2.7 4.605 / 2.6 4.920 / 2.7 5.140 / 2.9 5.336 / 3.1 5.616 / 3.6 5.929 / 4.0 6.190 / 4.4 6.416 / 4.7 6.537 / 5.0 6.557 / 5.2 6.667 / 5.4 6.752 / 5.9
LAT=-78.0 LAT=-66.0 LAT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-30.0 LAT=-30.0 LAT=-30.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT= 18.0 LAT= 0.0 LAT= 12.0 LAT= 18.0 LAT= 30.0 LAT= 30.0 LAT= 30.0 LAT= 30.0 LAT= 34.0	0 = = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0	3.554 / 10.5 4.795 / 10.6 5.611 / 10.5 5.892 / 10.6 6.193 / 10.6 6.295 / 10.6 6.214 / 10.7 6.209 / 11.3 5.865 / 11.4 5.647 / 11.6 5.471 / 11.7 5.348 / 11.7 5.	V = V = V = V = V = V = V = V = V = V =	3.573 / 7.6 4.555 / 7.6 5.302 / 7.5 5.747 / 7.5 5.868 / 7.5 5.677 / 7.5 5.193 / 7.6 4.550 / 8.0 3.975 / 8.6 3.813 / 9.4 4.103 / 10.2 4.104 / 10.8 5.370 / 11.4 5.825 / 11.8 6.322 / 9 6.484 / 1.3 6.756 / 1.7 7.128 / 2.0 7.643 / 2.2 8.235 / 2.5 8.932 / 2.8	**************************************	.004960 / 5.5 .013406 / 6.1 .020083 / 5.6 .026306 / 5.6 .036020 / 5.4 .045634 / 5.3 .054675 / 5.1 .063382 / 5.0 .072999 / 5.2 .073277 / 5.4 .071103 / 5.6 .068866 / 6.2 .067050 / 6.7 .066079 / 7.1 .065063 / 7.4 .063057 / 7.8 .060856 / 8.1 .060856 / 8.1 .060853 / 8.3 .064190 / 8.5 .067461 / 8.9 .074092 / 9.3	T = T = T = T = T = T = T = T = T = T =	.728 / 3.8 1.411 / 3.6 1.890 / 3.4 2.293 / 3.3 2.824 / 3.1 3.319 / 2.9 3.750 / 2.7 4.218 / 2.7 4.605 / 2.6 4.920 / 2.7 5.140 / 2.9 5.336 / 3.1 5.616 / 3.6 5.929 / 4.0 6.190 / 4.4 6.416 / 4.7 6.557 / 5.0 6.557 / 5.4 6.775 / 5.6 6.752 / 5.6 6.752 / 5.9
LAT=-78.0 LAT=-76.0 LAT=-66.0 LAT=-54.0 LAT=-54.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-12.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-8.0 LAT=-8.0 LAT=-8.0 LAT=-8.0 LAT=-8.0 LAT=-8.0 LAT=-8.0 LAT=-8.0 LAT=-8.0 LAT=-8.0 LAT=-8.0 LAT=-8.0 LAT=-8.0 LAT=-8.0 LAT=-8.0 LAT=-8.0 LAT=-8.0		3.554 / 10.5 4.795 / 10.6 5.611 / 10.5 5.892 / 10.6 6.193 / 10.6 6.295 / 10.6 6.214 / 10.7 6.209 / 10.9 6.128 / 11.1 6.031 / 11.3 5.865 / 11.4 5.647 / 11.6 5.471 / 11.7 5.348 / 11.7 5.348 / 11.7 5.348 / 11.7 5.346 / 11.9 5.741 / 12.0 6.101 / 1.9 5.741 / 12.0 6.101 / 1.9 5.7577 / 3 7.820 / 5 8.599 / .7	V = V = V = V = V = V = V = V = V = V =	3.573 / 7.6 4.555 / 7.6 5.302 / 7.5 5.747 / 7.5 5.868 / 7.5 5.193 / 7.6 4.550 / 8.0 3.975 / 8.6 3.975 / 8.6 3.975 / 10.2 4.103 / 10.2 4.746 / 10.8 5.370 / 11.4 5.825 / 11.8 6.053 / 4 6.322 / 9 6.484 / 1.3 6.756 / 1.7 7.643 / 2.0 7.643 / 2.2 8.225 / 2.5 8.932 / 2.8 9.448 / 3.2	**************************************	.004960 / 5.5 .013406 / 6.1 .020083 / 5.6 .026306 / 5.6 .036020 / 5.4 .045634 / 5.3 .054675 / 5.1 .063382 / 5.0 .069701 / 5.0 .072999 / 5.2 .073277 / 5.4 .071103 / 5.6 .068866 / 6.2 .067050 / 6.7 .066079 / 7.1 .065063 / 7.4 .063057 / 7.8 .060856 / 8.1 .060856 / 8.5 .067461 / 8.9 .074092 / 9.3 .085339 / 9.5	T = T = T = T = T = T = T = T = T = T =	.728 / 3.8 1.411 / 3.6 1.890 / 3.4 2.293 / 3.3 2.824 / 3.1 3.319 / 2.7 4.218 / 2.7 4.605 / 2.7 5.140 / 2.9 5.336 / 3.6 5.929 / 4.0 6.190 / 4.4 6.537 / 5.0 6.557 / 5.2 6.667 / 5.4 6.775 / 5.6 6.775 / 5.9 6.714 / 6.2
LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-48.0 LAT=-48.0 LAT=-36.0 LAT=-24.0 LAT=-12.0 LAT=-12.0 LAT= 12.0 LAT= 12.0 LAT= 30.0 LAT= 30.0 LAT= 40.0 LAT= 40.0 LAT= 40.0 LAT= 40.0 LAT= 40.0 LAT= 40.0 LAT= 40.0 LAT= 54.0 LAT= 66.0	U= U	3.554 / 10.5 4.795 / 10.6 5.611 / 10.5 5.892 / 10.6 6.193 / 10.6 6.295 / 10.6 6.214 / 10.7 6.209 / 10.9 6.128 / 11.3 5.865 / 11.4 5.647 / 11.6 5.471 / 11.7 5.348 / 11.7 5.348 / 11.7 5.348 / 11.7 5.348 / 11.7 5.348 / 11.7 5.348 / 11.7 5.3741 / 12.0 6.101 / 1.6 6.95 / 1.7 7.277 / .3 7.820 / .5 8.599 / .7 10.647 / .8 8.330 / .9	V = V = V = V = V = V = V = V = V = V =	3.573 / 7.6 4.555 / 7.6 5.302 / 7.5 5.747 / 7.5 5.868 / 7.5 5.193 / 7.6 4.550 / 8.0 3.975 / 8.6 3.813 / 9.4 4.103 / 10.2 4.746 / 10.8 5.370 / 11.4 5.370 / 11.8 6.053 / .4 6.322 / .9 6.484 / 1.3 6.756 / 1.7 7.128 / 2.0 8.932 / 2.5 8.932 / 2.5 8.932 / 2.5 8.932 / 2.5 8.932 / 3.5	**************************************	.004960 / 5.5 .013406 / 6.1 .020083 / 5.6 .026306 / 5.6 .036020 / 5.4 .045634 / 5.3 .054675 / 5.1 .063382 / 5.0 .059701 / 5.0 .072999 / 5.2 .073277 / 5.4 .071103 / 5.6 .06866 / 6.2 .067050 / 6.7 .066079 / 7.1 .065063 / 7.4 .063057 / 7.8 .060856 / 8.1 .060856 / 8.1 .060856 / 8.1 .060856 / 8.3 .06190 / 8.5 .067461 / 8.9 .074092 / 9.3 .085339 / 9.5 .066160 / 10.6	T = T = T = T = T = T = T = T = T = T =	.728 / 3.8 1.411 / 3.6 1.890 / 3.4 2.293 / 3.3 2.824 / 3.1 3.319 / 2.9 3.750 / 2.7 4.218 / 2.7 4.605 / 2.6 4.920 / 2.7 5.140 / 2.9 5.336 / 3.1 5.616 / 3.6 5.929 / 4.0 6.190 / 4.4 6.416 / 5.9 6.557 / 5.2 6.667 / 5.4 6.775 / 5.4 6.775 / 5.9 6.714 / 6.1 7.233 / 6.9
LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-60.0 LAT=-40.0 LAT=-36.0 LAT=-36.0 LAT=-18.0 LAT=-12.0 LAT=-12.0 LAT= 12.0 LAT= 6.0 LAT= 12.0 LAT= 36.0 LAT= 36.0 LAT= 36.0 LAT= 36.0 LAT= 36.0 LAT= 42.0 LAT= 48.0 LAT= 54.0 LAT= 54.0 LAT= 54.0 LAT= 54.0 LAT= 54.0 LAT= 66.0 LAT= 72.0	U= U	3.554 / 10.5 4.795 / 10.6 5.611 / 10.5 5.892 / 10.6 6.193 / 10.6 6.295 / 10.6 6.214 / 10.7 6.209 / 11.3 5.865 / 11.4 5.647 / 11.6 5.471 / 11.7 5.348 / 11.7 6.695 / 11.7 6.695 / 1.7 10.647 / 8 8.330 / 9 8.641 / 9	V = V = V = V = V = V = V = V = V = V =	3.573 / 7.6 4.555 / 7.6 5.302 / 7.5 5.747 / 7.5 5.868 / 7.5 5.677 / 7.5 5.193 / 7.6 4.550 / 8.0 3.975 / 8.6 3.813 / 9.4 4.103 / 10.2 4.103 / 10.8 5.370 / 11.4 5.825 / 11.8 6.322 / 9 6.484 / 1.3 6.756 / 1.7 7.128 / 2.0 7.643 / 2.2 8.255 / 2.5 8.932 / 2.8 9.448 / 3.2 9.543 / 3.5 9.513 / 3.9	######################################	.004960 / 5.5 .013406 / 6.1 .020083 / 5.6 .026306 / 5.6 .036020 / 5.4 .045634 / 5.3 .054675 / 5.1 .063382 / 5.0 .072999 / 5.2 .073277 / 5.4 .071103 / 5.6 .068866 / 6.2 .067050 / 6.7 .066079 / 7.1 .065063 / 7.4 .063057 / 7.8 .060856 / 8.1 .060856 / 8.1 .060856 / 8.1 .060853 / 8.3 .064190 / 8.5 .067461 / 8.9 .074092 / 9.3 .085339 / 9.5 .066160 / 10.6 .050880 / 10.2	T = T = T = T = T = T = T = T = T = T =	.728 / 3.8 1.411 / 3.6 1.890 / 3.4 2.293 / 3.3 2.824 / 3.1 3.319 / 2.9 3.750 / 2.7 4.2185 / 2.6 4.920 / 2.7 5.140 / 2.9 5.336 / 3.6 5.929 / 4.0 6.190 / 4.4 6.416 / 4.7 6.557 / 5.0 6.557 / 5.0 6.557 / 5.4 6.755 / 5.6 6.755 / 5.6 6.755 / 5.6 6.755 / 5.6 6.755 / 5.6 6.755 / 5.6 6.755 / 5.6 6.755 / 5.6 6.755 / 5.6 6.755 / 5.6 6.755 / 6.7 5.33 / 6.2 5.002 / 6.4
LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-48.0 LAT=-48.0 LAT=-36.0 LAT=-24.0 LAT=-12.0 LAT=-12.0 LAT= 12.0 LAT= 12.0 LAT= 30.0 LAT= 30.0 LAT= 40.0 LAT= 40.0 LAT= 40.0 LAT= 40.0 LAT= 40.0 LAT= 40.0 LAT= 40.0 LAT= 54.0 LAT= 66.0	U= U	3.554 / 10.5 4.795 / 10.6 5.611 / 10.5 5.892 / 10.6 6.193 / 10.6 6.295 / 10.6 6.214 / 10.7 6.209 / 10.9 6.128 / 11.3 5.865 / 11.4 5.647 / 11.6 5.471 / 11.7 5.348 / 11.7 5.348 / 11.7 5.348 / 11.7 5.348 / 11.7 5.348 / 11.7 5.348 / 11.7 5.3741 / 12.0 6.101 / 1.6 6.95 / 1.7 7.277 / .3 7.820 / .5 8.599 / .7 10.647 / .8 8.330 / .9	V = V = V = V = V = V = V = V = V = V =	3.573 / 7.6 4.555 / 7.6 5.302 / 7.5 5.747 / 7.5 5.868 / 7.5 5.193 / 7.6 4.550 / 8.0 3.975 / 8.6 3.813 / 9.4 4.103 / 10.2 4.746 / 10.8 5.370 / 11.4 5.370 / 11.8 6.053 / .4 6.322 / .9 6.484 / 1.3 6.756 / 1.7 7.128 / 2.0 8.932 / 2.5 8.932 / 2.5 8.932 / 2.5 8.932 / 2.5 8.932 / 3.5	**************************************	.004960 / 5.5 .013406 / 6.1 .020083 / 5.6 .026306 / 5.6 .036020 / 5.4 .045634 / 5.3 .054675 / 5.1 .063382 / 5.0 .059701 / 5.0 .072999 / 5.2 .073277 / 5.4 .071103 / 5.6 .06866 / 6.2 .067050 / 6.7 .066079 / 7.1 .065063 / 7.4 .063057 / 7.8 .060856 / 8.1 .060856 / 8.1 .060856 / 8.1 .060856 / 8.3 .06190 / 8.5 .067461 / 8.9 .074092 / 9.3 .085339 / 9.5 .066160 / 10.6	T = T = T = T = T = T = T = T = T = T =	.728 / 3.8 1.411 / 3.6 1.890 / 3.4 2.293 / 3.3 2.824 / 3.1 3.319 / 2.9 3.750 / 2.7 4.218 / 2.7 4.605 / 2.6 4.920 / 2.7 5.140 / 2.9 5.336 / 3.1 5.616 / 3.6 5.929 / 4.0 6.190 / 4.4 6.416 / 5.9 6.557 / 5.2 6.667 / 5.4 6.775 / 5.4 6.775 / 5.9 6.714 / 6.1 7.233 / 6.9

Table B6. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78° S to 78° N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 181.310	KM									
LAT=-78.0	U=	1.877 / 9.6	۷ =	2.046 / 6.9	W=	.001329 /	3.8	T=	.246 /	3.3
LAT=-72.0	Ų≖	2.887 / 9.6	V =	2.877 / 6.7	W=	.007052 /	4.8	T =	.665 /	2.7
LAT=-66.0	Ü=	3.978 / 9.7	v =	3.651 / 6.7	W=	.017666 /	5.0	T=	1.344 /	2.5
LAT=-60.0	U=	4.585 / 9.7	V=	4.216 / 6.6	W=	.024930 /	4.7	T=	1.761 /	2.4
IAT=-54.0	U=	4.780 / 9.7	V =	4.534 / 6.6	W=	.031364 /	4.7	T=	2.092 /	2.3
LAT=-48.0	U=	5.008 / 9.7	V=	4.611 / 6.6	W=	.041139 /	4.4	T=	2.524 /	2.1
LAT=-42.0	ū=	5.081 / 9.7	٧×	4.488 / 6.7	w=	.050648 /	4.3	T=	2.864 /	2.0
LAT=-36.0	Ű=	5.011 / 9.8	V=	4.205 / 6.9	₩=	.058935 /	4.2	Τ×	3.101 /	1.8
LAT=-30.0	U=	5.032 / 10.0	٧×	3.881 / 7.3	W=	.067437 /	4.1	T=	3.347 /	1.8
LAT=-24.0	Ū≖	5.011 / 10.1	V =	3.691 / 7.8	W=	.073847 /	4.1	T≠	3.533 /	1.8
LAT=+18.0	Ū=	5.003 / 10.3	٧×	3.785 / 8.5	W=	.078115 /	4.2	Ť≖	3.715 /	2.0
LAT=-12.0	ũ=	4.978 / 10.4	٧×	4.121 / 9.1	W=	.079318 /	4.4	ŤΞ	3.913 /	2.2
LAT= -6.0	Ŭ≕	4.946 / 10.6	V =	4.607 / 9.6	W =	.079327 /	4.7	T=	4.220 /	2.6
LAT= 0.0	Ū=	4.989 / 10.8	٧×	5.057 / 10.2	W=	.078916 /	5.1	T=	4.711 /	3.0
LAT = 6.0	Ü=	5.052 / 10.8	V =	5.356 / 10.6	w =	.079318 /	5.7	T=	5.284 /	3.4
LAT= 12.0	U=	5.192 / 10.9	V =	5.489 / 11.2	W =	.080123 /	6.2	7 =	5.794 /	3.9
LAT= 18.0	U=	5.463 / 11.0	V=	5.647 / 11.7	W=	.080451 /	6.7	T=	6.211 /	1.2
LAT= 24.0	U=	5.858 / 11.1	V=	5.765 / .2	W=	.078455 /	7.1	T=	6.476 /	4.5
LAT = 30.0	U=	6.327 / 11.3	V =	6.018 / .8	W=	.074941 /	7.4	T=	6.587 /	4.8
LAT = 30.0	U=	7.068 / 11.4	V =	6.362 / 1.2	W=	.072997 /	7.7	T=	6.733 /	5.1
LAT= 42.0	U≃	7.807 / 11.5	V=	6.810 / 1.6	W=	.074885 /	8.0	T=	6.857 /	5.3
LAT= 42.0	U±	8.365 / 11.7	V=	7.462 / 2.0	w- W=	.079076 /	8.3	T=	6.751 /	5.5
LAT= 54.0	U=	9.181 / 12.0	V =	8.370 / 2.3	W=	.086290 /	8.6	T=		5.7
-					W =			T=	6.577 /	_
LAT= 60.0	U≖ U≖	11.422 / .1	٧×			.099235 /	8.7		7.029 /	5.6
LAT= 66.0	U=	9.254 / .1	V=	9.744 / 2.9	W=	.072243 /	9.7	₹= T=	4.677 /	6.3
LAT= 72.0 LAT= 78.0	U=	9.402 / .1 7.798 / .2	V = V =	9.973 / 3.2 9.060 / 3.5	W= W=	.055733 / .027443 /	9.4 9.2	T=	3.695 / 2.247 /	5.9 5.5
Z= 209.865		1.505 / 0.0	.,	1 677 / 6 0	W-	000074 (4.6	.	247 (
LAT = 78.0	U=	1.565 / 9.0	V≖	1.677 / 6.0	W=	.002271 /	4.6	T =	.247 /	2.5
LAT=-72.0	U=	2.420 / 9.0	V =	2.348 / 6.0	W =	.009438 /	4.3	T=	.659 /	2.1
LAT=-66.0	U=	3.347 / 9.0	V =	2.966 / 5.9	W =	.022052 /	4.2	T=	1.319 /	1 · B
LAT=-60.0	U =	3.807 / 8.9	V =	.400 / 5.9	W =	.029811 /	4.0	T =	1.712 /	1.7
LAT=-54.0	U=	3.926 / 9.0	V =	J.625 / 6.0	W =	.036403 /	3.9	T =	2.000 /	1.7
LAT=-48.0	U≠	4.080 / 9.0	۰ ۷	3.661 / 6.1	W =	.046184 /	3.7	T =	2.373 /	1.5
LAT=-42.0	U=	4.091 / 9.0	V =	3.588 / 6.3	W =	.055122 /	3.6	T =	2.632 /	1 - 4
LAT=-36.0	U=	3.972 / 9.1	∀ ≠	3.430 / 6.5	W =	.062931 /	3.4	T =	2.752 /	1 . 4
LAT=-30.0	U=	3.934 / 9.3	V =	3.340 / 6.9	W =	.071347 /	3.4	T =	2.859 /	1.4
LAT=-24.0	U=	3.887 / 9.4	V =	3.440 / 7.3	W =	.078254 /	3.2	T =	2.909 /	1 . 4
LAT=-18.0	U=	3.887 / 9.6	V =	3.744 / 7.9	W =	.083406 /	3.4	T≈	2.987 /	1.5
LAT =-12.0	U≠	3.928 / 9.8	٧ =	4.202 / 8.4	W =	.086084 /	3.6	T =	3.134 /	1.8
LAT= -6.0	U =	4.018 / 9.9	V =	4.658 / 8.8	W =	.036748 /	3.8	T =	3.480 /	2.3
LAT= 0.0	U=	4.195 / 10.0	V =	5.018 / 9.3	W =	.087213 /	4.3	T =	4.066 /	2.7
LAT≤ 6.0	U=	4.403 / 10.0	V =	5.190 / 9.7	W =	.088203 /	4.9	T ≠	4.780 /	3.1
LAT= 12.0	U=	4.672 / 10.2	V ±	5.159 / 10.2	w =	.090275 /	5.4	T =	5.426 /	3.6
LAT= 18.0	U =	5.081 / 10.3	V =	5.112 / 10.7	₩=	.090297 /	5.9	T =	5.959 /	3.9
LAT= 24.0	U =	5.636 / 10.5	V =	5.063 / 11.3	W =	.088702 /	6.4	T =	6.324 /	4.2
LAT= 30.0	U =	6.273 / 10.7	V =	5.180 / 12.0	W=	.084343 /	6.8	T =	6.506 /	4.5
LAT= 36.0	υ÷	7.232 / 10.8	V =	5.454 / .5	W =	.080455 /	7.1	T =	6.704 /	4.8
	U=	8.155 / 11.0	V =	5.836 / 1.1	W =	.080109 /	7.4	T ≠	6.859 /	5.0
LAT= 42.0		8.817 / 11.2	V =	6.624 / 1.6	W=	.083377 /	7.7	T⇒	6.725 /	5.2
	U≖					.091128 /	8.0	T=		5.4
LAT= 42.0 LAT= 48.0 LAT= 54.0	U= U=	9.654 / 11.5	V =	7.696 / 1.9	W =				0.4/2 /	
LAT= 48.0		9.654 / 11.5	V = V =	7.696 / 1.9 8.912 / 2.3	W=		8.1	T=	6.472 / 6.863 /	
LAT= 48.0 LAT= 54.0 LAT= 60.0	U=	9.654 / 11.5 12.027 / 11.6	∨ =	8.912 / 2.3	W =	.105445 /	8.1	T =	6.863 /	5.3
LAT = 48.0 LAT = 54.0 LAT = 60.0 LAT = 66.0	∪= U= U=	9.654 / 11.5 12.027 / 11.6 10.027 / 11.7	∨ = ∨ =	8.912 / 2.3 9.810 / 2.5	W =	.105445 /	8.1 8.9	T=	6.863 / 4.466 /	5.3 5.9
LAT= 48.0 LAT= 54.0 LAT= 60.0	ນ = ປ =	9.654 / 11.5 12.027 / 11.6	∨ =	8.912 / 2.3	W =	.105445 /	8.1	T =	6.863 /	5.3

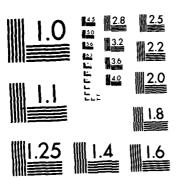
Table B6. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 240.988 KM LAT=-78.0 U= 1.392 / 8.5 V* 1.470 / 5.3 W= .003199 / 4.4 T* .259 / 1.9 LAT=-72.0 U= 2.157 / 8.4 V* 2.041 / 5.3 W= .011222 / 3.9 T* .572 / 1.6 LAT=-66.0 U= 2.984 / 8.4 V* 2.560 / 5.4 W= .025361 / 3.7 T* 1.314 / 1.4 LAT=-66.0 U= 3.522 / 8.4 V* 2.910 / 5.4 W= .025361 / 3.7 T* 1.314 / 1.4 LAT=-64.0 U= 3.622 / 8.4 V* 2.910 / 5.4 W= .025361 / 3.7 T* 1.314 / 1.4 LAT=-64.0 U= 3.622 / 8.4 V* 2.910 / 5.4 W= .033342 / 3.5 T* 1.693 / 1.4 LAT=-84.0 U= 3.622 / 8.4 V* 3.081 / 5.6 W= .040557 / 3.4 T* 1.958 / 1.4 LAT=-84.0 U= 3.622 / 8.4 V* 3.081 / 5.6 W= .040558 / 3.2 T* 2.523 / 1.2 LAT=-42.0 U= 3.462 / 8.4 V* 3.081 / 5.6 W= .068564 / 3.7 T* 2.523 / 1.2 LAT=-36.0 U= 3.562 / 8.3 V* 3.200 / 7.6 W= .068564 / 3.7 T* 2.523 / 1.2 LAT=-24.0 U= 3.060 / 9.1 V* 3.680 / 7.6 W= .088704 / 2.8 T* 2.637 / 1.4 LAT=-18.0 U= 3.060 / 9.1 V* 3.680 / 7.6 W= .088704 / 2.8 T* 2.637 / 1.4 LAT=-18.0 U= 3.060 / 9.1 V* 4.213 / 7.9 W= .092744 / 3.0 T* 2.637 / 1.2 LAT=-24.0 U= 3.522 / 9.4 V* 5.086 / 7.6 W= .094399 / 3.2 T* 2.637 / 1.4 LAT=-18.0 U= 3.522 / 9.4 V* 5.086 / 8.7 W= .094399 / 3.2 T* 3.125 / 2.2 LAT= 0.0 U= 3.522 / 9.4 V* 5.086 / 8.7 W= .094399 / 3.2 T* 3.125 / 2.2 LAT= 0.0 U= 3.522 / 9.4 V* 5.086 / 8.7 W= .094399 / 3.2 T* 3.155 / 2.6 LAT=18.0 U= 4.266 / 9.7 V* 5.102 / 9.1 W= .095130 / 4.3 T* 5.279 / 3.4 LAT=18.0 U= 6.266 / 10.3 V* 4.650 / 10.1 W= .095639 / 6.2 T* 6.397 / 3.4 LAT=18.0 U= 6.266 / 10.3 V* 4.680 / 10.1 W= .095639 / 6.2 T* 6.397 / 4.9 LAT=60.0 U= 6.266 / 10.3 V* 4.680 / 10.1 W= .095639 / 6.2 T* 6.397 / 4.9 LAT=60.0 U= 1.324 / 9.0 V* 5.205 / 9.1 W= .095639 / 6.2 T* 6.397 / 4.9 LAT=60.0 U= 1.324 / 9.0 V* 5.205 / 9.1 W= .095639 / 6.2 T* 6.397 / 3.4 LAT=60.0 U= 2.053 / 8.1 V* 1.999 / 5.0 W= .003735 / 4.3 T* 2.267 / 4.9 LAT=60.0 U= 2.053 / 8.1 V* 1.999 / 5.0 W= .003735 / 4.3 T* 2.267 / 4.9 LAT=60.0 U= 2.053 / 8.1 V* 1.999 / 5.0 W= .003735 / 4.3 T* 2.267 / 1.7 LAT=60.0 U= 2.053 / 8.1 V* 1.999 / 5.0 W= .003735 / 4.3 T* 2.267 / 1.7 LAT=60.0 U= 2.053 / 8.1 V* 1.999 / 5.0 W= .003735 / 4.3 T* 2.267 / 1.7 LAT=60.0 U= 2.053 / 8.1										
LAT=-72.0 U= 2.157 / B.4 V= 2.041 / 5.3 W= .011222 / 3.9 T= .672 / 1.6 LAT=-66.0 U= 2.984 / B.4 V= 2.560 / 5.4 W= .02361 / 3.7 T= 1.314 / 1.6 LAT=-60.0 U= 3.352 / B.4 V= 2.560 / 5.4 W= .033342 / 3.5 T= 1.693 / 1.4 LAT=-64.0 U= 3.421 / B.5 V= 3.069 / 5.5 W= .040057 / 3.4 T= 1.958 / 1.4 LAT=-48.0 U= 3.512 / B.4 V= 3.069 / 5.5 W= .040057 / 3.4 T= 1.958 / 1.4 LAT=-48.0 U= 3.512 / B.4 V= 3.081 / 5.6 W= .049538 / 3.1 T= 2.523 / 1.2 LAT=-30.0 U= 3.577 / B.5 V= 2.928 / B.3 W= .056456 / 2.9 T= 2.593 / 1.2 LAT=-30.0 U= 3.577 / B.7 V= 2.928 / B.3 W= .056456 / 2.9 T= 2.588 / 1.2 LAT=-30.0 U= 3.560 / B.5 V= 2.928 / B.3 W= .056456 / 2.9 T= 2.588 / 1.2 LAT=-30.0 U= 3.580 / 9.4 V= 3.580 / 7.6 W= .082037 / 2.6 T= 2.617 / 1.2 LAT=-24.0 U= 3.080 / 9.1 V= 3.680 / 7.6 W= .082037 / 2.6 T= 2.637 / 1.4 LAT=-12.0 U= 3.080 / 9.1 V= 3.680 / 7.6 W= .082037 / 2.6 T= 2.637 / 1.4 LAT=-12.0 U= 3.124 / 9.2 V= 4.213 / 7.9 W= .082037 / 2.6 T= 2.637 / 1.4 LAT=-12.0 U= 3.080 / 9.3 V= 4.727 / 8.3 W= .096499 / 3.2 T= 3.122 / 2.2 LAT=-30.0 U= 3.808 / 9.5 V= 5.005 / B.7 W= .096130 / 4.3 T= 4.535 / 3.1 LAT=-12.0 U= 4.269 / 9.5 V= 5.005 / B.7 W= .096130 / 4.3 T= 4.535 / 3.1 LAT=-12.0 U= 4.266 / 10.3 V= 4.676 / 10.1 W= .096130 / 4.3 T= 5.279 / 3.4 LAT=-30.0 U= 3.860 / 9.5 V= 5.005 / B.7 W= .096130 / 4.3 T= 5.279 / 3.4 LAT=-30.0 U= 6.266 / 10.3 V= 4.680 / 11.5 W= .096130 / 4.3 T= 5.282 / 3.7 LAT=-30.0 U= 6.266 / 10.3 V= 4.680 / 11.5 W= .096130 / 4.3 T= 5.282 / 3.7 LAT=-30.0 U= 6.266 / 10.3 V= 4.680 / 11.5 W= .096130 / 4.3 T= 5.282 / 3.7 LAT=-30.0 U= 6.266 / 10.3 V= 4.680 / 11.5 W= .096130 / 4.3 T= 5.282 / 3.7 LAT=-30.0 U= 6.266 / 10.3 V= 4.680 / 11.5 W= .096130 / 4.3 T= 5.282 / 3.7 LAT=-30.0 U= 6.266 / 10.3 V= 4.680 / 11.5 W= .096130 / 4.3 T= 5.282 / 3.7 LAT=-30.0 U= 6.266 / 10.3 V= 4.680 / 11.5 W= .096569 / 5.5 T= 6.493 / 5.5 LAT=-30.0 U= 7.414 / 10.5 V= 4.680 / 11.5 W= .096569 / 5.5 T= 6.493 / 5.5 LAT=-30.0 U= 2.0414 / 11.4 V= 9.427 / W= .096569 / 5.7 U= 1.314 / 10.5 V= 4.680 / 11.5 W= .09669 / 3.2 T= 5.682 / 5.3 LAT=-30.0 U= 2.0414 / 11.4 V= 9.427 / W=	Z= 240.988	KM								
LAT=-72.0 U= 2.157 / B.4 V= 2.041 / 5.3 W= .011222 / 3.9 T= .672 / 1.6 LAT=-66.0 U= 2.984 / B.4 V= 2.560 / 5.4 W= .02361 / 3.7 T= 1.314 / 1.6 LAT=-60.0 U= 3.352 / B.4 V= 2.560 / 5.4 W= .033342 / 3.5 T= 1.693 / 1.4 LAT=-64.0 U= 3.421 / B.5 V= 3.069 / 5.5 W= .040057 / 3.4 T= 1.958 / 1.4 LAT=-48.0 U= 3.512 / B.4 V= 3.069 / 5.5 W= .040057 / 3.4 T= 1.958 / 1.4 LAT=-48.0 U= 3.512 / B.4 V= 3.081 / 5.6 W= .049538 / 3.1 T= 2.523 / 1.2 LAT=-30.0 U= 3.577 / B.5 V= 2.928 / B.3 W= .056456 / 2.9 T= 2.593 / 1.2 LAT=-30.0 U= 3.577 / B.7 V= 2.928 / B.3 W= .056456 / 2.9 T= 2.588 / 1.2 LAT=-30.0 U= 3.560 / B.5 V= 2.928 / B.3 W= .056456 / 2.9 T= 2.588 / 1.2 LAT=-30.0 U= 3.580 / 9.4 V= 3.580 / 7.6 W= .082037 / 2.6 T= 2.617 / 1.2 LAT=-24.0 U= 3.080 / 9.1 V= 3.680 / 7.6 W= .082037 / 2.6 T= 2.637 / 1.4 LAT=-12.0 U= 3.080 / 9.1 V= 3.680 / 7.6 W= .082037 / 2.6 T= 2.637 / 1.4 LAT=-12.0 U= 3.124 / 9.2 V= 4.213 / 7.9 W= .082037 / 2.6 T= 2.637 / 1.4 LAT=-12.0 U= 3.080 / 9.3 V= 4.727 / 8.3 W= .096499 / 3.2 T= 3.122 / 2.2 LAT=-30.0 U= 3.808 / 9.5 V= 5.005 / B.7 W= .096130 / 4.3 T= 4.535 / 3.1 LAT=-12.0 U= 4.269 / 9.5 V= 5.005 / B.7 W= .096130 / 4.3 T= 4.535 / 3.1 LAT=-12.0 U= 4.266 / 10.3 V= 4.676 / 10.1 W= .096130 / 4.3 T= 5.279 / 3.4 LAT=-30.0 U= 3.860 / 9.5 V= 5.005 / B.7 W= .096130 / 4.3 T= 5.279 / 3.4 LAT=-30.0 U= 6.266 / 10.3 V= 4.680 / 11.5 W= .096130 / 4.3 T= 5.282 / 3.7 LAT=-30.0 U= 6.266 / 10.3 V= 4.680 / 11.5 W= .096130 / 4.3 T= 5.282 / 3.7 LAT=-30.0 U= 6.266 / 10.3 V= 4.680 / 11.5 W= .096130 / 4.3 T= 5.282 / 3.7 LAT=-30.0 U= 6.266 / 10.3 V= 4.680 / 11.5 W= .096130 / 4.3 T= 5.282 / 3.7 LAT=-30.0 U= 6.266 / 10.3 V= 4.680 / 11.5 W= .096130 / 4.3 T= 5.282 / 3.7 LAT=-30.0 U= 6.266 / 10.3 V= 4.680 / 11.5 W= .096130 / 4.3 T= 5.282 / 3.7 LAT=-30.0 U= 6.266 / 10.3 V= 4.680 / 11.5 W= .096569 / 5.5 T= 6.493 / 5.5 LAT=-30.0 U= 7.414 / 10.5 V= 4.680 / 11.5 W= .096569 / 5.5 T= 6.493 / 5.5 LAT=-30.0 U= 2.0414 / 11.4 V= 9.427 / W= .096569 / 5.7 U= 1.314 / 10.5 V= 4.680 / 11.5 W= .09669 / 3.2 T= 5.682 / 5.3 LAT=-30.0 U= 2.0414 / 11.4 V= 9.427 / W=	1AT=⇒78 O	11=	1 392 / 8.5	V =	1 470 / 5 3	w-	.002199 /	4.4	Tæ	259 / 1 9
LAT=-66.0										
LAT=-60.0 U= 3.352 / 8.4 V= 2.910 / 5.4 W= .033342 / 3.5 T= 1.693 / 1.4 LAT=-48.0 U= 3.21 / 8.5 V= 3.069 / 5.5 W= .040957 / 3.4 T= 1.998 / 1.4 LAT=-48.0 U= 3.512 / 8.4 V= 3.081 / 5.6 W= .049538 / 3.2 T= 2.307 / 1.3 LAT=-36.0 U= 3.62 / 8.4 V= 3.002 / 5.9 W= .058054 / 3.1 T= 2.523 / 1.2 LAT=-30.0 U= 3.157 / 8.7 V= 2.928 / 6.3 W= .065456 / 2.9 T= 2.588 / 1.2 LAT=-30.0 U= 3.157 / 8.7 V= 2.957 / 6.7 W= .07491 / 2.8 T= 2.631 / 1.2 LAT=-24.0 U= 3.060 / 8.8 V= 3.210 / 7.2 W= .082037 / 2.6 T= 2.631 / 1.2 LAT=-12.0 U= 3.080 / 9.8 V= 3.210 / 7.2 W= .082037 / 2.6 T= 2.631 / 1.2 LAT=-12.0 U= 3.080 / 9.3 V= 4.727 / 8.3 W= .094994 / 3.0 T= 2.772 / 1.7 LAT=-16.0 U= 3.080 / 9.7 V= 4.213 / 7.9 W= .092744 / 3.0 T= 2.637 / 1.4 LAT=-12.0 U= 3.542 / 9.4 V= 5.086 / 8.7 W= .09499 / 3.2 T= 3.125 / 2.2 LAT= 0.0 U= 3.542 / 9.4 V= 5.086 / 8.7 W= .09499 / 3.2 T= 3.125 / 2.2 LAT= 2.0 U= 4.236 / 9.7 V= 5.112 / 9.5 W= .096649 / 4.8 T= 5.279 / 3.4 LAT= 12.0 U= 4.236 / 9.7 V= 5.112 / 9.5 W= .096649 / 4.8 T= 5.279 / 3.4 LAT= 36.0 U= 5.456 / 10.0 V= 4.700 / 10.7 W= .093346 / 5.8 T= 6.280 / 4.1 LAT= 36.0 U= 7.414 / 10.5 V= 4.889 / .1 W= .096058 / 6.6 T= 6.729 / 4.7 LAT= 48.0 U= 9.214 / 10.9 V= 6.091 / 1.3 W= .096058 / 6.6 T= 6.729 / 4.7 LAT= 60.0 U= 12.471 / 11.3 V= 3.710 / 1.3 W= .096058 / 6.6 T= 6.729 / 4.7 LAT=-8.0 U= 8.471 / 11.3 V= 8.701 / 1.3 W= .096561 / 7.2 T= 6.493 / 5.3 LAT= 60.0 U= 12.471 / 11.3 V= 8.701 / 1.3 W= .096059 / 7.2 T= 6.493 / 5.3 LAT=-6.0 U= 2.646 / 8.1 V= 1.392 / 4.9 W= .003735 / 7.6 T= 6.493 / 5.3 LAT=-6.0 U= 2.646 / 8.1 V= 1.392 / 4.9 W= .003735 / 7.6 T= 6.493 / 5.3 LAT=-6.0 U= 2.646 / 8.1 V= 1.392 / 4.9 W= .003735 / 7.2 T= 6.473 / 4.4 LAT=-72.0 U= 10.510 / 11.4 V= 9.545 / 7.5 W= .005099 / 3.3 T= 2.2655 / 5.3 LAT=-6.0 U= 2.646 / 8.1 V= 1.392 / 4.9 W= .003735 / 7.2 T= 6.473 / 5.3 LAT=-6.0 U= 2.646 / 8.1 V= 1.392 / 4.9 W= .003735 / 7.2 T= 6.493 / 5.3 LAT=-6.0 U= 2.646 / 8.1 V= 2.795 / 6.6 W= .005099 / 3.3 T= 2.265 / 5.3 LAT=-6.0 U= 2.646 / 8.1 V= 2.795 / 6.6 W= .005099 / 3.1 T= 6.693 / 1.3 LAT=-6.0 U= 2.646 / 8.1 V= 2.795 /		_		•						
LAT=-94.0 U= 3.421 / 8.5 V= 3.069 / 5.5 W= .040057 / 3.4 T= 1.958 / 1.4 LAT=-80.0 U= 3.512 / 8.4 V= 3.081 / 5.6 W= .049538 / 3.2 T= 2.307 / 1.3 LAT=-80.0 U= 3.766 / 8.5 V= 2.928 / 6.3 W= .058054 / 3.1 T= 2.502 / 1.2 LAT=-30.0 U= 3.766 / 8.5 V= 2.928 / 6.3 W= .058054 / 3.1 T= 2.503 / 1.2 LAT=-30.0 U= 3.157 / 8.7 V= 2.957 / 6.7 W= .074191 / 2.8 T= 2.538 / 1.2 LAT=-30.0 U= 3.157 / 8.7 V= 2.957 / 6.7 W= .074191 / 2.8 T= 2.631 / 1.2 LAT=-30.0 U= 3.124 / 9.2 V= 4.213 / 7.9 W= .092744 / 3.0 T= 2.617 / 1.2 LAT=-18.0 U= 3.040 / 9.1 V= 3.680 / 7.6 W= .088704 / 2.8 T= 2.617 / 1.2 LAT=-18.0 U= 3.280 / 9.3 V= 4.727 / 8.3 W= .095494 / 3.0 T= 2.772 / 1.7 LAT=-6.0 U= 3.582 / 9.4 V= 5.086 / 8.7 W= .098904 / 2.8 T= 2.677 / 1.4 LAT=-10.0 U= 3.582 / 9.4 V= 5.086 / 8.7 W= .0989504 / 4.3 T= 2.772 / 1.7 LAT=-6.0 U= 3.860 / 9.5 V= 5.205 / 9.1 W= .095130 / 4.3 T= 5.279 / 3.4 LAT=18.0 U= 3.860 / 9.5 V= 5.205 / 9.1 W= .095130 / 4.3 T= 5.279 / 3.4 LAT=18.0 U= 4.764 / 9.9 V= 4.676 / 10.1 W= .096173 / 5.3 T= 5.279 / 3.4 LAT=30.0 U= 6.266 / 10.3 V= 4.680 / 11.5 W= .0880659 / 6.2 T= 6.280 / 4.1 LAT=30.0 U= 7.414 / 10.7 V= 4.680 / 11.5 W= .0880659 / 6.2 T= 6.237 / 4.4 LAT=48.0 U= 7.414 / 10.7 V= 4.880 / 1.5 W= .0880659 / 7.2 T= 6.234 / 4.7 LAT=60.0 U= 10.510 / 11.4 V= 9.427 / W= .095130 / 7.6 T= 6.237 / 4.3 LAT=60.0 U= 10.510 / 11.4 V= 9.427 / W= .005069 / 7.2 T= 6.437 / 4.4 LAT=72.0 U= 10.510 / 11.4 V= 1.392 / 4.9 W= .003735 / 4.3 T= .2.667 / 1.7 LAT=-72.0 U= 10.510 / 11.4 V= 1.392 / 4.9 W= .003735 / 4.3 T= .2.667 / 1.7 LAT=-72.0 U= 2.053 / 8.1 V= 1.999 / 5.0 W= .002375 / 4.3 T= .2.667 / 1.7 LAT=-80.0 U= 3.164 / 8.0 V= 2.682 / 5.1 W= .005069 / 3.2 T= 6.437 / 4.4 LAT=-72.0 U= 10.510 / 11.4 V= 9.427 / W= .005069 / 3.2 T= 6.437 / 4.4 LAT=-72.0 U= 10.510 / 11.4 V= 9.427 / W= .005069 / 3.2 T= 6.437 / 5.3 LAT=-72.0 U= 10.510 / 11.4 V= 9.427 / W= .005069 / 3.2 T= 6.437 / 1.1 LAT=-80.0 U= 2.053 / 8.1 V= 1.999 / 5.0 W= .005069 / 3.2 T= 6.437 / 1.1 LAT=-80.0 U= 2.054 / 8.1 V= 2.269 / 6.1 W= .005069 / 3.2 T= 6.437 / 1.1 LAT=-80.0 U= 2.054 / 8.1 V= 2.269		_								
LAT48:0 U = 3.512 / 8.4 V = 3.081 / 5.6 W = .049538 / 3.2 T = 2.307 / 1.3 LAT36:0 U = 3.862 / 8.4 V = 3.002 / 5.9 W = .058054 / 3.1 T = 2.523 / 1.2 LAT36:0 U = 3.176 / 8.5 V = 2.928 / 6.3 W = .065456 / 2.9 T = 2.588 / 1.2 LAT30:0 U = 3.176 / 8.5 V = 2.928 / 6.3 W = .065456 / 2.9 T = 2.588 / 1.2 LAT30:0 U = 3.157 / 8.7 V = 2.957 / 6.7 W = .074191 / 2.8 T = 2.631 / 1.2 LAT24.0 U = 3.060 / 8.8 V = 3.210 / 7.2 W = .082037 / 2.6 T = 2.617 / 1.2 LAT18:0 U = 3.040 / 9.1 V = 3.680 / 7.6 W = .088704 / 2.8 T = 2.631 / 1.4 LAT12.0 U = 3.124 / 9.2 V = 4.213 / 7.9 W = .092744 / 3.0 T = 2.772 / 1.7 LAT6.0 U = 3.880 / 9.7 V = 5.086 / 8.7 W = .094852 / 3.8 T = 3.158 / 2.2 LAT- 6.0 U = 3.860 / 9.7 V = 5.086 / 8.7 W = .094852 / 3.8 T = 3.158 / 2.2 LAT- 6.0 U = 3.680 / 9.7 V = 5.112 / 9.5 W = .095130 / 4.8 T = 5.279 / 3.4 LAT- 12.0 U = 4.236 / 9.7 V = 5.112 / 9.5 W = .095130 / 4.8 T = 5.279 / 3.4 LAT- 13.0 U = 5.456 / 10.0 V = 4.700 / 10.7 W = .093346 / 5.8 T = 6.280 / 4.1 LAT- 13.0 U = 5.456 / 10.0 V = 4.700 / 10.7 W = .093346 / 5.8 T = 6.280 / 4.1 LAT- 13.0 U = 7.414 / 10.5 V = 4.888 / 1.1 W = .080558 / 6.6 T = 6.729 / 4.7 LAT- 13.0 U = 9.214 / 10.9 V = 4.888 / 1.1 W = .080558 / 6.6 T = 6.729 / 4.7 LAT- 13.0 U = 9.214 / 10.9 V = 6.091 / 1.3 W = .076565 / 7.2 T = 6.477 / 4.9 LAT- 72.0 U = 10.510 / 11.4 V = 9.547 / 5.0 W = .095751 / 7.2 T = 6.477 / 4.9 LAT- 72.0 U = 10.510 / 11.4 V = 9.547 / 5.0 W = .075502 / 3.6 T = .6.477 / 5.3 LAT- 72.0 U = 10.510 / 11.4 V = 9.547 / 5.0 W = .075502 / 3.6 T = .6.477 / 1.7 LAT-72.0 U = 0.241 / 8.1 V = 1.392 / 5.9 W = .003735 / 4.3 T = .2.667 / 1.7 LAT-72.0 U = 0.326 / 8.1 V = .2.377 / 5.1 W = .0057502 / 3.6 T = .6.477 / 4.9 LAT-72.0 U = 0.326 / 8.1 V = .2.377 / 5.1 W = .005751 / 7.2 T = 6.477 / 4.9 LAT-72.0 U = 0.510 / 11.4 V = .9.554 / 8.9 W = .003735 / 4.3 T = .2.265 / 5.3 LAT-72.0 U = 0.510 / 11.4 V = .9.554 / 8.9 W = .003735 / 3.6 T = .6.477 / 5.3 LAT-72.0 U = 0.510 / 11.4 V = .9.554 / 8.9 W = .003735 / 3.6 T = .0637 / 1.9 LAT-72.0 U = .0050 / 8.1 V = .0050 / 8.1 V = .0050		-								
LAT=-20.0 U= 3.462 / 8.4 V= 3.002 / 5.9 W= .058054 / 3.1 T= 2.523 / 1.2 LAT=-30.0 U= 3.276 / 8.5 V= 2.928 / 6.3 W= .056456 / 2.9 T= 2.588 / 1.2 LAT=-24.0 U= 3.060 / 8.8 V= 3.210 / 7.2 W= .002037 / 2.8 T= 2.631 / 1.2 LAT=-24.0 U= 3.060 / 8.8 V= 3.210 / 7.2 W= .002037 / 2.8 T= 2.631 / 1.2 LAT=-20.0 U= 3.124 / 9.2 V= 4.213 / 7.9 W= .002037 / 2.8 T= 2.637 / 1.4 LAT=-12.0 U= 3.124 / 9.2 V= 4.213 / 7.9 W= .002744 / 3.0 T= 2.772 / 1.7 LAT=-6.0 U= 3.542 / 9.4 V= 5.086 / 8.7 W= .004852 / 3.8 T= 3.758 / 2.6 LAT= 6.0 U= 3.542 / 9.4 V= 5.086 / 8.7 W= .004852 / 3.8 T= 3.758 / 2.6 LAT= 6.0 U= 3.860 / 9.5 V= 5.205 / 9.1 W= .009130 / 4.3 T= 4.555 / 3.1 LAT= 12.0 U= 4.236 / 9.7 V= 5.112 / 9.5 W= .006439 / 4.3 T= 4.555 / 3.1 LAT= 12.0 U= 4.236 / 9.7 V= 5.112 / 9.5 W= .006439 / 4.3 T= 5.628 / 3.7 LAT= 30.0 U= 4.764 / 9.9 V= 4.676 / 10.1 W= .009130 / 4.8 T= 5.279 / 3.4 LAT= 13.0 U= 6.266 / 10.3 V= 4.690 / 11.5 W= .009733 / 5.3 T= 5.628 / 3.7 LAT= 42.0 U= 8.494 / 10.7 V= 5.254 / .8 W= .007639 / 6.2 T= 6.497 / 4.9 LAT= 42.0 U= 8.494 / 10.7 V= 5.254 / .8 W= .007655 / 7.5 T= 6.497 / 4.9 LAT= 42.0 U= 1.0040 / 11.2 V= 7.310 / 1.8 W= .00658 / 6.2 T= 6.497 / 4.9 LAT= 54.0 U= 1.0040 / 11.2 V= 7.310 / 1.8 W= .008658 / 6.2 T= 6.497 / 4.9 LAT= 54.0 U= 1.0040 / 11.2 V= 7.310 / 1.8 W= .008658 / 6.2 T= 6.497 / 4.9 LAT= 78.0 U= 8.491 / 10.7 V= 5.254 / .8 W= .007051 / 6.9 T= 6.497 / 5.3 LAT= 78.0 U= 8.471 / 11.4 V= 9.854 / 2.7 W= .002752 / 3.4 T= 1.314 / 1.3 LAT= 78.0 U= 8.471 / 11.4 V= 9.427 / W= .003735 / 4.3 T= .2667 / 1.7 LAT=-60.0 U= 3.164 / 8.0 V= 2.682 / 5.3 W= .007051 / 8.3 T= 2.265 / 5.3 LAT=-60.0 U= 3.164 / 8.0 V= 2.682 / 5.1 W= .007502 / 3.4 T= 1.314 / 1.3 LAT=-80.0 U= 3.266 / 8.1 V= 1.392 / 4.9 W= .003735 / 4.3 T= .267 / 1.7 LAT=-80.0 U= 3.266 / 8.1 V= 1.392 / 4.9 W= .003735 / 4.3 T= .267 / 1.7 LAT=-80.0 U= 3.266 / 8.1 V= 1.392 / 4.9 W= .003735 / 3.6 T= .669 / 1.2 LAT=-80.0 U= 3.266 / 8.1 V= 1.392 / 4.9 W= .003735 / 4.3 T= .267 / 1.7 LAT=-80.0 U= 3.266 / 8.1 V= 1.392 / 4.9 W= .003735 / 4.3 T= .267 / 1.7 LAT=-80.0 U= 3.266 / 8.1 V= 2.27				-						
LAT=-36.0 U= 3.276 / 8.5 V= 2.928 / 6.3 W= .065456 / 2.9 T= 2.588 / 1.2 LAT=-30.0 U= 3.157 / 8.7 V= 2.957 / 6.7 W= .074191 / 2.8 T= 2.611 / 1.2 LAT=-24.0 U= 3.060 / 8.8 V= 3.210 / 7.2 W= .082037 / 2.6 T= 2.617 / 1.2 LAT=-80.0 U= 3.060 / 8.8 V= 3.210 / 7.2 W= .082037 / 2.6 T= 2.617 / 1.4 LAT=-12.0 U= 3.124 / 9.2 V= 4.213 / 7.9 W= .092744 / 3.0 T= 2.677 / 1.7 LAT=-60.0 U= 3.520 / 9.3 V= 4.727 / 8.3 W= .094399 / 3.2 T= 3.125 / 2.2 LAT= 0.0 U= 3.542 / 9.4 V= 5.086 / 8.7 W= .094399 / 3.2 T= 3.125 / 2.2 LAT= 0.0 U= 3.542 / 9.4 V= 5.086 / 8.7 W= .094399 / 3.2 T= 3.125 / 2.2 LAT= 0.0 U= 3.542 / 9.4 V= 5.086 / 8.7 W= .094852 / 3.8 T= 3.758 / 2.6 LAT= 8.0 U= 4.236 / 9.7 V= 5.112 / 9.5 W= .096649 / 4.8 T= 5.279 / 3.4 LAT= 12.0 U= 4.236 / 9.7 V= 5.112 / 9.5 W= .096649 / 4.8 T= 5.279 / 3.4 LAT= 12.0 U= 4.266 / 9.7 V= 5.112 / 9.5 W= .096649 / 4.8 T= 5.279 / 3.4 LAT= 12.0 U= 5.456 / 10.0 V= 4.700 / 10.7 W= .093346 / 5.8 T= 6.200 / 4.1 LAT= 36.0 U= 7.414 / 10.5 V= 4.888 / 1.1 W= .086589 / 6.2 T= 6.200 / 4.1 LAT= 36.0 U= 7.414 / 10.5 V= 4.888 / 1.1 W= .086589 / 6.6 T= 6.200 / 4.1 LAT= 48.0 U= 9.214 / 10.9 V= 6.091 / 1.3 W= .093456 / 7.2 T= 6.764 / 5.1 LAT= 60.0 U= 12.471 / 11.3 V= 8.701 / 1.3 W= .093456 / 7.2 T= 6.764 / 5.1 LAT= 60.0 U= 12.471 / 11.3 V= 8.701 / 2.2 W= .097954 / 7.6 T= 6.734 / 5.5 LAT= 78.0 U= 10.541 / 11.4 V= 9.427 / U= .097954 / 7.6 T= 6.839 / 5.2 LAT= 78.0 U= 10.541 / 11.4 V= 9.427 / U= .097954 / 7.6 T= 6.839 / 1.5 LAT=-72.0 U= 1.324 / 8.1 V= 1.392 / 4.9 W= .003735 / 4.3 T= 1.314 / 1.3 LAT=-54.0 U= 3.206 / 8.1 V= 2.783 / 5.5 W= .005699 / 8.1 T= 1.314 / 1.3 LAT=-54.0 U= 3.164 / 8.0 V= 2.669 / 5.7 W= .005735 / 4.3 T= 1.344 / 1.3 LAT=-54.0 U= 3.206 / 8.1 V= 2.789 / 5.4 W= .005735 / 4.3 T= 1.344 / 1.3 LAT=-60.0 U= 3.164 / 8.0 V= 2.669 / 5.7 W= .005735 / 4.3 T= 1.595 / 1.3 LAT=-60.0 U= 3.206 / 8.1 V= 2.789 / 6.6 W= .005735 / 3.3 T= 2.265 / 5.3 U= 1.47=-74.0 U= 3.206 / 8.1 V= 2.789 / 6.6 W= .005735 / 3.3 T= 3.631 / 1.5 LAT=-60.0 U= 3.206 / 8.1 V= 2.789 / 6.6 W= .005735 / 3.1 T= 1.595 / 1.3 LAT=-60.0 U= 3.206 / 8.1										
LAT=-20.0 U= 3.157 / 8.7 V= 2.957 / 6.7 W= .074191 / 2.8 T= 2.631 / 1.2 LAT=-24.0 U= 3.060 / 8.8 V= 3.210 / 7.2 W= .0082037 / 2.6 T= 2.617 / 1.2 LAT=-18.0 U= 3.040 / 9.1 V= 3.680 / 7.6 W= .008704 / 2.8 T= 2.637 / 1.4 LAT=-12.0 U= 3.124 / 9.2 V= 4.213 / 7.9 W= .008704 / 2.8 T= 2.637 / 1.4 LAT=-12.0 U= 3.280 / 9.3 V= 4.727 / 8.3 W= .094399 / 3.2 T= 3.125 / 2.2 LAT= -6.0 U= 3.542 / 9.4 V= 5.086 / 8.7 W= .094852 / 3.8 T= 3.758 / 2.6 LAT= 6.0 U= 3.860 / 9.5 V= 5.205 / 9.1 W= .095130 / 4.3 T= 4.555 / 3.1 LAT= 12.0 U= 4.236 / 9.7 V= 5.112 / 9.5 W= .096439 / 4.3 T= 4.555 / 3.1 LAT= 18.0 U= 4.764 / 9.9 V= 4.676 / 10.1 W= .096173 / 5.3 T= 5.828 / 3.7 LAT= 30.0 U= 6.266 / 10.3 V= 4.690 / 11.5 W= .096334 / 5.8 T= 5.828 / 3.7 LAT= 30.0 U= 6.266 / 10.3 V= 4.680 / 11.5 W= .096334 / 5.9 T= 6.497 / 4.4 LAT= 42.0 U= 8.494 / 10.7 V= 5.254 / .8 W= .097639 / 6.2 T= 6.497 / 4.9 LAT= 42.0 U= 8.494 / 10.7 V= 5.254 / .8 W= .097654 / 6.9 T= 6.907 / 4.9 LAT= 54.0 U= 10.040 / 11.2 V= 7.310 / 1.8 W= .096658 / 6.9 T= 6.907 / 4.9 LAT= 54.0 U= 10.541 / 11.4 V= 9.854 / 2.7 W= .007594 / 7.5 T= 6.473 / 5.3 LAT= 78.0 U= 8.471 / 11.4 V= 9.854 / 2.7 W= .007594 / 7.5 T= 6.473 / 5.3 LAT= 78.0 U= 8.471 / 11.4 V= 9.427 / 5.0 W= .002377 / 3.6 T= .2667 / 1.7 LAT=-54.0 U= 3.164 / 8.0 V= 2.053 / 8.1 V= 1.999 / 5.0 W= .002334 / 5.2 T= 1.314 / 1.3 LAT=-60.0 U= 3.164 / 8.0 V= 2.682 / 5.1 W= .002502 / 3.4 T= 1.314 / 1.3 LAT=-60.0 U= 3.266 / 8.1 V= 2.783 / 5.1 W= .002502 / 3.4 T= 1.314 / 1.3 LAT=-60.0 U= 3.266 / 8.1 V= 2.783 / 5.0 W= .002377 / 3.6 T= .6893 / 1.5 LAT=-60.0 U= 3.266 / 8.1 V= 2.783 / 5.0 W= .002377 / 3.6 T= .2667 / 1.7 LAT=-60.0 U= 3.266 / 8.1 V= 2.783 / 5.1 W= .002502 / 3.4 T= 1.314 / 1.3 LAT=-60.0 U= 3.266 / 8.1 V= 2.783 / 5.1 W= .002502 / 3.4 T= 1.314 / 1.3 LAT=-60.0 U= 3.266 / 8.1 V= 2.783 / 5.2 W= .002377 / 3.6 T= .2669 / 1.2 LAT=-60.0 U= 3.266 / 8.1 V= 2.783 / 5.2 W= .002497 / 3.1 T= .2491 / 1.0 LAT=-60.0 U= 3.266 / 8.1 V= 2.783 / 6.6 V= .002507 / 3.4 T= .3314 / 1.3 LAT=-60.0 U= 3.266 / 8.1 V= 2.783 / 6.6 V= .002377 / 3.6 T= .2491 / 1.0 LAT=										
LAT=-84.0 U= 3.060 / 8.8 V= 3.210 / 7.2 W= .092037 / 2.6 T= 2.617 / 1.2 LAT=-80.0 U= 3.040 / 9.1 V= 3.680 / 7.6 W= .092704 / 3.0 T= 2.537 / 1.4 LAT=-12.0 U= 3.124 / 9.2 V= 4.213 / 7.9 W= .092744 / 3.0 T= 2.772 / 1.7 LAT=-80.0 U= 3.280 / 9.3 V= 4.213 / 7.9 W= .092704 / 3.0 T= 2.772 / 1.7 LAT=-80.0 U= 3.542 / 9.4 V= 5.086 / 8.7 W= .094389 / 3.2 T= 3.125 / 2.2 LAT= 0.0 U= 3.542 / 9.4 V= 5.086 / 8.7 W= .094852 / 3.8 T= 3.758 / 2.6 LAT= 8.0 U= 4.236 / 9.7 V= 5.205 / 9.1 W= .096183 / 3.8 T= 3.758 / 2.6 LAT= 12.0 U= 4.236 / 9.7 V= 5.112 / 9.5 W= .096649 / 4.8 T= 5.279 / 3.4 LAT= 12.0 U= 4.236 / 9.7 V= 5.112 / 9.5 W= .096649 / 4.8 T= 5.279 / 3.4 LAT= 24.0 U= 5.456 / 10.0 V= 4.700 / 10.7 W= .093336 / 5.8 T= 6.280 / 4.1 LAT= 36.0 U= 7.414 / 10.5 V= 4.888 / 1.1 W= .09336 / 5.8 T= 6.280 / 4.1 LAT= 35.0 U= 7.414 / 10.5 V= 4.888 / 1.1 W= .086658 / 6.6 T= 6.297 / 4.9 LAT= 48.0 U= 9.214 / 10.9 V= 6.091 / 1.3 W= .076151 / 6.9 T= 6.797 / 4.9 LAT= 48.0 U= 9.214 / 10.9 V= 6.091 / 1.3 W= .076151 / 6.9 T= 6.764 / 5.1 LAT= 60.0 U= 12.471 / 11.3 V= 8.701 / 2.1 W= .097954 / 7.6 T= 6.839 / 5.2 LAT= 60.0 U= 10.541 / 11.4 V= 9.854 / 2.2 W= .076511 / 8.5 T= 4.409 / 5.8 LAT= 72.0 U= 10.5510 / 11.4 V= 9.427 / W= .070511 / 8.5 T= 4.409 / 5.8 LAT= 72.0 U= 8.471 / 11.4 V= 9.427 / W= .070511 / 8.3 T= .2667 / 1.7 LAT=-80.0 U= 3.164 / 8.0 V= 2.662 / 5.1 W= .003735 / 4.3 T= 1.314 / 1.3 LAT=-80.0 U= 3.164 / 8.0 V= 2.662 / 5.1 W= .003693 / 3.2 T= 1.683 / 1.5 LAT=-80.0 U= 3.164 / 8.0 V= 2.662 / 5.1 W= .003693 / 3.2 T= 1.689 / 1.2 LAT=-80.0 U= 3.164 / 8.1 V= 1.392 / 5.9 W= .003735 / 4.3 T= 1.267 / 1.7 LAT=-80.0 U= 3.164 / 8.1 V= 2.263 / 5.2 W= .0027502 / 3.4 T= 1.314 / 1.3 LAT=-80.0 U= 3.668 / 8.1 V= 2.2662 / 5.1 W= .003693 / 3.2 T= 1.689 / 1.2 LAT=-80.0 U= 3.668 / 8.1 V= 2.2662 / 5.1 W= .003693 / 3.2 T= 1.689 / 1.2 LAT=-80.0 U= 3.668 / 8.1 V= 2.2662 / 5.1 W= .003693 / 3.2 T= 1.589 / 1.3 LAT=-80.0 U= 3.668 / 8.1 V= 2.2667 / 5.1 W= .003693 / 3.2 T= 1.546 / 1.3 LAT=-80.0 U= 3.668 / 8.1 V= 2.2667 / 5.1 W= .003693 / 3.2 T= 1.344 / 1.3 LAT=-80.0 U= 3.668 /										
LAT=-18.0 U= 3.040 / 9.1 V= 3.680 / 7.6 W= .088704 / 2.8 T= 2.637 / 1.4 LAT=-12.0 U= 3.124 / 9.2 V= 4.213 / 7.9 W= .092744 / 3.0 T= 2.772 / 1.7 LAT=-6.0 U= 3.280 / 9.3 V= 4.727 / 8.3 W= .094399 / 3.2 T= 3.125 / 2.2 LAT= 0.0 U= 3.860 / 9.5 V= 5.086 / 8.7 W= .094852 / 3.8 T= 3.758 / 2.6 LAT= 12.0 U= 4.236 / 9.7 V= 5.112 / 9.5 W= .095130 / 4.3 T= 4.535 / 3.1 LAT= 12.0 U= 4.236 / 9.7 V= 5.112 / 9.5 W= .095130 / 4.3 T= 4.535 / 3.1 LAT= 12.0 U= 4.236 / 9.7 V= 5.112 / 9.5 W= .095130 / 4.3 T= 5.229 / 3.4 LAT= 18.0 U= 4.764 / 9.9 V= 4.876 / 10.1 W= .095173 / 5.3 T= 5.228 / 3.7 LAT= 24.0 U= 5.456 / 10.3 V= 4.600 / 11.5 W= .095173 / 5.3 T= 5.228 / 3.7 LAT= 33.0 U= 6.266 / 10.3 V= 4.600 / 11.5 W= .09873 / 5.3 T= 5.229 / 4.7 LAT= 34.0 U= 7.414 / 10.5 V= 4.888 / .1 W= .08658 / 6.2 T= 6.497 / 4.4 LAT= 38.0 U= 7.414 / 10.5 V= 4.888 / .1 W= .08658 / 6.2 T= 6.497 / 4.9 LAT= 38.0 U= 9.214 / 10.9 V= 6.091 / 1.3 W= .07656 / 7.2 T= 6.764 / 5.1 LAT= 60.0 U= 12.471 / 11.3 V= 8.701 / 2.1 W= .095954 / 7.6 T= 6.637 / 5.3 LAT= 60.0 U= 10.541 / 11.4 V= 9.854 / 2 W= .003735 / 7.6 T= 6.639 / 5.8 LAT= 72.0 U= 10.510 / 11.4 V= 9.854 / 2 W= .003735 / 4.3 T= .2667 / 1.7 LAT=-72.0 U= 3.164 / 8.1 V= 1.392 / 4.9 W= .003735 / 4.3 T= .2667 / 1.7 LAT=-72.0 U= 3.164 / 8.1 V= 1.392 / 4.9 W= .003735 / 4.3 T= .2667 / 1.7 LAT=-72.0 U= 2.053 / 8.1 V= 1.909 / 5.0 W= .012327 / 3.6 T= .683 / 1.5 LAT=-72.0 U= 3.164 / 8.1 V= 2.278 / 5.1 W= .0075027 / 3.4 T= .1314 / 1.3 LAT=-80.0 U= 2.941 / 8.1 V= 2.278 / 5.4 W= .0047497 / 3.1 T= .1945 / 1.3 LAT=-80.0 U= 2.941 / 8.1 V= 2.783 / 5.4 W= .005609 / 3.2 T= .2667 / 1.7 LAT=-72.0 U= 2.631 / 8.5 V= .2766 / 5.1 W= .005609 / 3.2 T= .267 / 1.7 LAT=-72.0 U= 2.631 / 8.5 V= .2766 / 6.1 W= .007502 / 3.4 T= .1314 / 1.3 LAT=-72.0 U= 2.644 / 8.9 V= .2768 / 5.4 W= .005609 / 3.2 T= .267 / 1.7 LAT=-72.0 U= 2.664 / 8.1 V= .2768 / 5.4 W= .005609 / 3.2 T= .267 / 1.7 LAT=-72.0 U= 2.664 / 8.1 V= .2768 / 5.4 W= .005609 / 3.2 T= .267 / 1.7 LAT=-72.0 U= 2.991 / 8.9 V= .427 / W= .005609 / 3.2 T= .267 / 1.1 LAT=-72.0 U= 2.991 / 8.9 V= .427 / W=										
LAT=-8.0 U= 3.124 / 9.2 V= 4.213 / 7.9 W= .092744 / 3.0 T= 2.772 / 1.7 LAT=-8.0 U= 3.280 / 9.3 V= 4.727 / 8.3 W= .094389 / 3.2 T= 3.125 / 2.2 LAT= 0.0 U= 3.542 / 9.4 V= 5.086 / 8.7 W= .094892 / 3.8 T= 3.758 / 2.6 LAT= 6.0 U= 3.860 / 9.5 V= 5.205 / 9.1 W= .095130 / 4.3 T= 4.535 / 3.1 LAT= 12.0 U= 4.236 / 9.7 V= 5.112 / 9.5 W= .096649 / 4.8 T= 5.279 / 3.4 LAT= 18.0 U= 4.764 / 9.9 V= 4.876 / 10.1 W= .095130 / 5.3 T= 5.280 / 3.7 LAT= 24.0 U= 5.456 / 10.0 V= 4.700 / 10.7 W= .095137 / 5.3 T= 5.280 / 3.7 LAT= 30.0 U= 6.266 / 10.3 V= 4.680 / 11.5 W= .087639 / 6.2 T= 6.497 / 4.4 LAT= 30.0 U= 6.266 / 10.3 V= 4.680 / 11.5 W= .087639 / 6.2 T= 6.497 / 4.4 LAT= 30.0 U= 7.414 / 10.5 V= 4.888 / .1 W= .08658 / 6.6 T= 6.299 / 4.7 LAT= 42.0 U= 8.494 / 10.7 V= 5.254 / .8 W= .076151 / 6.9 T= 6.907 / 4.9 LAT= 54.0 U= 10.040 / 11.2 V= 7.310 / 1.8 W= .083415 / 7.5 T= 6.637 / 5.3 LAT= 66.0 U= 10.510 / 11.4 V= 9.854 / 2.7 W= .003735 / 7.6 T= 6.899 / 5.2 LAT= 66.0 U= 10.510 / 11.4 V= 9.427 / W= .0075151 / 8.5 T= 4.409 / 5.8 LAT= 78.0 U= 8.471 / 11.4 V= 9.427 / W= .010125 / 8.3 T= .2667 / 1.7 LAT=-80.0 U= 3.164 / 8.1 V= 1.392 / 4.9 W= .003735 / 4.3 T= .2667 / 1.7 LAT=-80.0 U= 3.164 / 8.1 V= 1.392 / 4.9 W= .003735 / 4.3 T= .2667 / 1.7 LAT=-80.0 U= 3.164 / 8.1 V= 2.883 / 5.2 W= .003735 / 4.3 T= .1689 / 1.5 LAT=-60.0 U= 3.164 / 8.1 V= 2.863 / 5.2 W= .003735 / 4.3 T= .1689 / 1.2 LAT=-80.0 U= 3.164 / 8.1 V= 2.2377 / 5.1 W= .005609 / 3.2 T= 1.689 / 1.2 LAT=-80.0 U= 3.164 / 8.1 V= 2.2377 / 5.1 W= .005609 / 3.2 T= 1.689 / 1.2 LAT=-80.0 U= 3.666 / 8.1 V= 2.783 / 5.4 W= .005609 / 3.2 T= 1.689 / 1.2 LAT=-80.0 U= 3.667 / 8.1 V= 2.783 / 5.4 W= .005609 / 3.2 T= 1.689 / 1.2 LAT=-80.0 U= 3.667 / 8.1 V= 2.883 / 5.2 W= .005609 / 3.2 T= 1.689 / 1.2 LAT=-80.0 U= 3.669 / 8.1 V= 2.883 / 5.2 W= .005609 / 3.2 T= 1.689 / 1.2 LAT=-80.0 U= 3.669 / 8.1 V= 2.883 / 5.2 W= .005609 / 3.2 T= 1.689 / 1.2 LAT=-80.0 U= 3.669 / 8.1 V= 2.885 / 5.3 W= .005609 / 3.3 T= 1.569 / 1.3 LAT=-80.0 U= 3.669 / 8.1 V= 2.885 / 5.3 W= .005609 / 3.3 T= 1.669 / 1.3										
LAT= -6.0 U= 3.280 / 9.3 V= 4.727 / 8.3 W= .094899 / 3.2 T= 3.125 / 2.2 LAT= 6.0 U= 3.592 / 9.4 V= 5.086 / 8.7 W= .094852 / 3.8 T= 3.758 / 2.6 LAT= 6.0 U= 3.880 / 9.5 V= 5.205 / 9.1 W= .095130 / 4.3 T= 4.535 / 3.1 LAT= 12.0 U= 4.286 / 9.7 V= 5.112 / 9.5 W= .095130 / 4.3 T= 4.535 / 3.1 LAT= 18.0 U= 4.764 / 9.9 V= 4.676 / 10.1 W= .096173 / 5.3 T= 5.828 / 3.7 LAT= 24.0 U= 5.456 / 10.0 V= 4.700 / 10.7 W= .096173 / 5.8 T= 5.279 / 3.4 LAT= 30.0 U= 6.266 / 10.3 V= 4.680 / 11.5 W= .093346 / 5.8 T= 6.280 / 4.1 LAT= 30.0 U= 6.266 / 10.3 V= 4.680 / 11.5 W= .093346 / 6.2 T= 6.997 / 4.4 LAT= 30.0 U= 6.266 / 10.3 V= 4.688 / .1 W= .096589 / 6.2 T= 6.997 / 4.7 LAT= 42.0 U= 8.494 / 10.7 V= 5.254 / 1.8 W= .076151 / 6.9 T= 6.907 / 4.9 LAT= 48.0 U= 9.214 / 10.9 V= 6.991 / 1.3 W= .076665 / 7.2 T= 6.764 / 5.1 LAT= 54.0 U= 10.401 / 11.2 V= 7.310 / 1.8 W= .083415 / 7.5 T= 6.473 / 5.3 LAT= 60.0 U= 10.541 / 11.4 V= 9.854 / 2.9 W= .076511 / 6.9 T= 6.473 / 5.3 LAT= 72.0 U= 8.471 / 11.4 V= 9.427 / W= .076512 / 8.3 T= 2.265 / 5.3 Z= 272.801 KM LAT=-78.0 U= 1.324 / 8.1 V= 1.392 / 4.9 W= .003735 / 4.3 T= .2667 / 1.7 LAT=-60.0 U= 2.053 / 8.1 V= 1.999 / 5.0 W= .012327 / 3.6 T= .6883 / 1.5 LAT=-72.0 U= 0.2033 / 8.1 V= 1.999 / 5.0 W= .012327 / 3.6 T= .6883 / 1.5 LAT=-72.0 U= 2.053 / 8.1 V= 2.803 / 5.2 W= .004929 / 3.1 T= 2.265 / 5.3 LAT=-60.0 U= 2.941 / 8.1 V= 2.803 / 5.2 W= .004929 / 3.1 T= 2.267 / 1.7 LAT=-60.0 U= 2.941 / 8.2 V= 2.699 / 6.1 W= .007502 / 3.4 T= 1.945 / 1.3 LAT=-48.0 U= 3.266 / 8.1 V= 2.769 / 5.4 W= .005609 / 3.2 T= 1.689 / 1.2 LAT=-72.0 U= 2.631 / 8.5 V= 3.000 / 3.2 T= 1.689 / 1.2 LAT=-72.0 U= 2.631 / 8.5 V= 3.000 / 3.2 T= 1.689 / 1.2 LAT=-72.0 U= 2.603 / 8.5 V= 3.000 / 3.2 T= 1.689 / 1.2 LAT=-72.0 U= 2.603 / 8.5 V= 3.000 / 3.2 T= 1.689 / 1.2 LAT=-72.0 U= 2.053 / 8.1 V= 2.803 / 5.2 W= .004929 / 3.1 T= 2.267 / 1.7 LAT=-72.0 U= 2.053 / 8.1 V= 2.769 / 6.9 V= .004929 / 3.2 T= 1.689 / 1.2 LAT=-72.0 U= 2.053 / 8.1 V= 2.803 / 5.2 W= .004929 / 3.1 T= 2.267 / 1.1 LAT=-72.0 U= 2.941 / 8.2 V= 2.809 / 8.1 V= .004929 / 3.1 T= 2.269 / 1.1 LA		U=						-	T =	
LAT = 0.0 U = 3.542 / 9.4 V = 5.086 / 8.7 W = .09452 / 3.8 T = 3.758 / 2.6 LAT = 6.0 U = 3.880 / 9.5 V = 5.205 / 9.1 W = .095130 / 4.3 T = 5.279 / 3.4 LAT = 18.0 U = 4.764 / 9.9 V = 4.676 / 10.1 W = .096130 / 5.8 T = 5.279 / 3.4 LAT = 18.0 U = 4.764 / 9.9 V = 4.676 / 10.1 W = .096130 / 5.3 T = 5.279 / 3.4 LAT = 24.0 U = 5.456 / 10.0 V = 4.700 / 10.7 W = .0963346 / 5.8 T = 6.280 / 4.1 LAT = 36.0 U = 6.266 / 10.3 V = 4.680 / 11.5 W = .0963346 / 5.8 T = 6.280 / 4.1 LAT = 36.0 U = 7.414 / 10.5 V = 4.888 / 11.5 W = .080658 / 6.6 T = 6.497 / 4.4 LAT = 36.0 U = 7.414 / 10.5 V = 4.888 / 11.5 W = .080658 / 6.6 T = 6.729 / 4.7 LAT = 44.0 U = 9.214 / 10.9 V = 6.931 / 1.3 W = .076656 / 7.2 T = 6.907 / 4.9 LAT = 48.0 U = 9.214 / 10.9 V = 6.931 / 1.3 W = .076656 / 7.2 T = 6.764 / 5.1 LAT = 54.0 U = 10.040 / 11.2 V = 7.310 / 1.8 W = .083415 / 7.5 T = 6.473 / 5.3 LAT = 66.0 U = 10.514 / 11.4 V = 9.854 / 2.2 W = .076511 / 8.5 T = 4.409 / 5.8 LAT = 72.0 U = 10.510 / 11.4 V = 10.486 / 7.2 W = .075511 / 8.3 T = 2.265 / 5.3 Z = 272.801 KM LAT = 78.0 U = 2.053 / 8.1 V = 1.392 / 4.9 W = .003735 / 4.3 T = 2.265 / 5.3 LAT = 66.0 U = 2.841 / 8.1 V = 2.377 / 5.1 W = .005502 / 3.4 T = 1.314 / 1.3 LAT = 66.0 U = 3.204 / 8.1 V = 2.937 / 5.1 W = .005502 / 3.4 T = 1.314 / 1.3 LAT = 66.0 U = 3.266 / 8.1 V = 2.978 / 5.4 W = .005702 / 3.4 T = 1.314 / 1.3 LAT = 66.0 U = 2.841 / 8.1 V = 2.377 / 5.1 W = .005502 / 3.4 T = 1.314 / 1.3 LAT = 66.0 U = 2.941 / 8.2 V = 2.692 / 5.1 W = .005702 / 3.4 T = 1.314 / 1.3 LAT = 66.0 U = 2.941 / 8.2 V = 2.692 / 5.1 W = .005502 / 3.4 T = 1.314 / 1.3 LAT = 66.0 U = 3.266 / 8.7 V = 2.789 / 6.6 W = .005730 / 2.5 T = 2.522 / 1.1 LAT = 78.0 U = 3.164 / 8.0 V = 2.692 / 5.1 W = .005502 / 3.4 T = 1.314 / 1.3 LAT = 66.0 U = 2.961 / 8.2 V = 2.692 / 5.1 W = .005702 / 3.4 T = 1.314 / 1.3 LAT = 66.0 U = 3.266 / 8.1 V = 1.999 / 5.0 W = .002735 / 4.3 T = 1.314 / 1.3 LAT = 66.0 U = 3.666 / 8.1 V = 2.789 / 6.6 W = .005730 / 3.2 T = 1.689 / 1.2 LAT = 2.0 U = 4.660 / 8.7 V = .00560 / 6.2 T = 2.691 / 1.7 LAT = 2.0 U = 2.053 / 8.1				ν=					T=	
LAT= 6.0 U= 3.860 / 9.5 V= 5.205 / 9.1 W= .095130 / 4.3 T= 4.535 / 3.1 LAT= 12.0 U= 4.236 / 9.7 V= 5.112 / 9.5 W= .0966473 / 5.3 T= 5.279 / 3.4 LAT= 18.0 U= 4.764 / 9.9 V= 4.676 / 10.1 W= .096173 / 5.3 T= 5.2828 / 3.7 LAT= 24.0 U= 5.456 / 10.0 V= 4.700 / 10.7 W= .093346 / 5.8 T= 5.2828 / 3.7 LAT= 24.0 U= 5.456 / 10.3 V= 4.700 / 10.7 W= .093346 / 5.8 T= 6.280 / 4.1 LAT= 30.0 U= 6.266 / 10.3 V= 4.888 / 11 W= .087639 / 6.2 T= 6.297 / 4.4 LAT= 36.0 U= 7.414 / 10.5 V= 4.888 / 11 W= .080658 / 6.6 T= 6.729 / 4.7 LAT= 42.0 U= 8.494 / 10.7 V= 5.254 / 8 W= .076151 / 6.9 T= 6.707 / 4.9 LAT= 54.0 U= 9.214 / 10.9 V= 6.091 / 1.3 W= .076665 / 7.2 T= 6.764 / 5.1 LAT= 60.0 U= 12.471 / 11.3 V= 8.701 / 2.1 W= .097954 / 7.5 T= 6.473 / 5.3 LAT= 66.0 U= 10.541 / 11.4 V= 10.486 / 7 W= .070511 / 8.5 T= 4.409 / 5.8 LAT= 72.0 U= 8.471 / 11.4 V= 9.427 / W= .045829 / 8.1 T= 3.574 / 5.5 LAT= 78.0 U= 8.471 / 11.4 V= 9.427 / W= .010125 / 8.3 T= 2.265 / 5.3 LAT= 66.0 U= 10.510 / 11.4 V= 10.486 / 7 W= .07551 / 8.3 T= 2.265 / 5.3 LAT= 66.0 U= 2.053 / 8.1 V= 1.909 / 5.0 W= .012327 / 3.6 T= .683 / 1.5 LAT=-66.0 U= 2.841 / 8.1 V= 1.392 / 4.9 W= .003735 / 4.3 T= .2667 / 1.7 LAT=-66.0 U= 3.164 / 8.0 V= 2.682 / 5.1 W= .035609 / 3.2 T= 1.689 / 1.2 LAT=-54.0 U= 3.164 / 8.0 V= 2.682 / 5.1 W= .035609 / 3.2 T= 1.689 / 1.2 LAT=-54.0 U= 3.164 / 8.0 V= 2.682 / 5.1 W= .035609 / 3.2 T= 1.689 / 1.2 LAT=-30.0 U= 3.155 / 8.1 V= 2.763 / 5.4 W= .051651 / 2.9 T= 2.279 / 1.1 LAT=-30.0 U= 2.661 / 8.1 V= 2.779 / 5.4 W= .051651 / 2.9 T= 2.279 / 1.1 LAT=-30.0 U= 2.661 / 8.5 V= 3.3 LAT=-66.0 U= 3.164 / 8.0 V= 2.682 / 5.1 W= .035609 / 3.2 T= 1.689 / 1.2 LAT=-30.0 U= 2.661 / 8.1 V= 2.763 / 5.4 W= .067306 / 2.7 T= 2.481 / 1.3 LAT=-66.0 U= 2.661 / 8.1 V= 2.763 / 5.4 W= .051651 / 2.4 T= 2.522 / 1.1 LAT=-30.0 U= 2.661 / 8.7 V= 3.660 / 8.1 V= 2.763 / 6.1 W= .067306 / 2.7 T= 2.481 / 1.3 LAT=-42.0 U= 2.661 / 8.7 V= 3.660 / 8.1 V= 2.763 / 6.1 W= .067306 / 2.7 T= 2.481 / 1.3 LAT=-42.0 U= 2.661 / 8.7 V= 3.660 / 8.1 V= 2.769 / 6.6 W= .076655 / 2.4 T= 2.522 / 1.1 LAT=-30.0 U= 2.661 / 8		U=		V=					T=	
LAT = 12.0 U = 4.236 / 9.7 V = 5.112 / 9.5 W = .096649 / 4.8 T = 5.279 / 3.4 LAT = 18.0 U = 4.764 / 9.9 V = 4.676 / 10.1 W = .096173 / 5.3 T = 5.828 / 3.7 LAT = 24.0 U = 5.456 / 10.0 V = 4.700 / 10.7 W = .093346 / 5.8 T = 6.280 / 4.1 LAT = 30.0 U = 6.266 / 10.3 V = 4.680 / 11.5 W = .096058 / 6.6 T = 6.729 / 4.7 LAT = 36.0 U = 7.414 / 10.5 V = 4.888 / .1 W = .086658 / 6.6 T = 6.729 / 4.7 LAT = 42.0 U = 8.494 / 10.7 V = 5.254 / .8 W = .076151 / 6.9 T = 6.907 / 4.9 LAT = 48.0 U = 9.214 / 10.9 V = 6.091 / 1.3 W = .076656 / 7.2 T = 6.764 / 5.1 LAT = 54.0 U = 10.040 / 11.2 V = 7.310 / 1.8 W = .083415 / 7.5 T = 6.473 / 5.3 LAT = 66.0 U = 12.471 / 11.3 V = 8.701 / 2.1 W = .097954 / 7.6 T = 6.473 / 5.5 LAT = 66.0 U = 10.510 / 11.4 V = 9.854 / 2.2 W = .070511 / 8.5 T = 4.409 / 5.8 LAT = 78.0 U = 8.471 / 11.4 V = 9.427 / W = .045829 / 8.1 T = 3.574 / 5.5 LAT = 78.0 U = 8.471 / 11.4 V = 9.427 / W = .003735 / 4.3 T = .267 / 1.7 LAT = 66.0 U = 2.881 / 8.1 V = 1.392 / 4.9 W = .003735 / 4.3 T = .267 / 1.7 LAT = 66.0 U = 2.841 / 8.1 V = 1.999 / 5.0 W = .012327 / 3.6 T = .683 / 1.5 LAT = 66.0 U = 3.266 / 8.1 V = 2.2783 / 5.4 W = .005699 / 3.2 T = 1.689 / 1.2 LAT = 66.0 U = 3.266 / 8.1 V = 2.2783 / 5.4 W = .005699 / 3.2 T = 1.689 / 1.2 LAT = 66.0 U = 3.266 / 8.1 V = 2.2793 / 5.4 W = .005699 / 3.2 T = 1.689 / 1.2 LAT = 36.0 U = 3.266 / 8.1 V = 2.2793 / 5.4 W = .005699 / 3.2 T = 1.2491 / 1.3 LAT = 36.0 U = 3.266 / 8.1 V = 2.783 / 5.4 W = .005609 / 3.2 T = 1.2491 / 1.3 LAT = 36.0 U = 2.941 / 8.2 V = 2.659 / 6.1 W = .005609 / 3.2 T = 2.279 / 1.1 LAT = 36.0 U = 2.261 / 8.4 V = 2.799 / 6.1 W = .005699 / 3.2 T = 2.279 / 1.1 LAT = 36.0 U = 2.261 / 8.4 V = 2.799 / 6.1 W = .0076615 / 2.4 T = 2.2491 / 1.3 LAT = 36.0 U = 2.261 / 8.4 V = 2.799 / 6.1 W = .0076615 / 2.4 T = 2.2491 / 1.3 LAT = 36.0 U = 2.261 / 8.7 V = 3.662 / 7.7 W = .006026 / 7.7 T = 2.481 / 1.0 LAT = 30.0 U = 2.661 / 8.4 V = 2.799 / 6.1 W = .007300 / 2.5 T = 2.522 / 1.1 LAT = 30.0 U = 2.661 / 8.4 V = 2.799 / 8.7 V = .003886 / 2.4 T = 2.491 / 1.3 LAT = 30.0 U = 6.693 / 10.0 V =		U=		V=	5.205 / 9.1	W=		4.3	T =	
LAT= 18.0 U= 4.764 / 9.9 V= 4.676 / 10.1 W= .096173 / 5.3 T= 5.828 / 3.7 LAT= 24.0 U= 5.456 / 10.0 V= 4.700 / 10.7 W= .093346 / 5.8 T= 6.280 / 4.1 LAT= 30.0 U= 6.266 / 10.3 V= 4.680 / 11.5 W= .087639 / 6.2 T= 6.497 / 4.4 LAT= 36.0 U= 7.414 / 10.5 V= 4.888 / .1 W= .086658 / 6.6 T= 6.729 / 4.7 LAT= 42.0 U= 8.494 / 10.7 V= 5.254 / .8 W= .076651 / 6.9 T= 6.907 / 4.9 LAT= 54.0 U= 9.214 / 10.9 V= 6.091 / 1.3 W= .076655 / 7.2 T= 6.764 / 5.1 LAT= 54.0 U= 10.040 / 11.2 V= 7.310 / 1.8 W= .083415 / 7.5 T= 6.473 / 5.3 LAT= 60.0 U= 12.471 / 11.3 V= 8.701 / 2.1 W= .097954 / 7.6 T= 6.764 / 5.1 LAT= 60.0 U= 10.541 / 11.4 V= 9.854 / 2.7 W= .077511 / 8.5 T= 4.409 / 5.8 LAT= 72.0 U= 10.510 / 11.4 V= 9.427 / W= .045829 / 8.1 T= 3.574 / 5.5 LAT= 78.0 U= 8.471 / 11.4 V= 9.427 / W= .010125 / 8.3 T= 2.265 / 5.3 LAT= 60.0 U= 2.053 / 8.1 V= 1.392 / 4.9 W= .010125 / 8.3 T= .2667 / 1.7 LAT=-78.0 U= 2.053 / 8.1 V= 1.392 / 4.9 W= .012327 / 3.6 T= .683 / 1.5 LAT=-66.0 U= 2.841 / 8.1 V= 2.377 / 5.1 W= .027502 / 3.4 T= 1.314 / 1.3 LAT=-66.0 U= 3.164 / 8.0 V= 2.682 / 5.1 W= .0245829 / 3.1 T= 1.689 / 1.2 LAT=-54.0 U= 3.266 / 8.1 V= 2.682 / 5.1 W= .037502 / 3.4 T= 1.314 / 1.3 LAT=-64.0 U= 3.266 / 8.1 V= 2.682 / 5.1 W= .037502 / 3.4 T= 1.546 / 1.3 LAT=-64.0 U= 3.266 / 8.1 V= 2.783 / 5.4 W= .056026 / 2.7 T= 2.481 / 1.3 LAT=-42.0 U= 3.266 / 8.1 V= 2.783 / 5.4 W= .056026 / 2.7 T= 2.481 / 1.3 LAT=-64.0 U= 3.266 / 8.1 V= 2.783 / 5.4 W= .056026 / 2.7 T= 2.481 / 1.3 LAT=-64.0 U= 2.961 / 8.2 V= 2.783 / 5.4 W= .056026 / 2.7 T= 2.481 / 1.3 LAT=-64.0 U= 2.961 / 8.2 V= 2.783 / 5.4 W= .056026 / 2.7 T= 2.481 / 1.3 LAT=-64.0 U= 2.661 / 8.7 V= 3.642 / 7.4 W= .056026 / 2.7 T= 2.481 / 1.3 LAT=-64.0 U= 3.266 / 8.1 V= 2.783 / 5.4 W= .056026 / 2.7 T= 2.2491 / 1.3 LAT=-64.0 U= 2.961 / 8.2 V= 2.783 / 5.4 W= .056026 / 2.7 T= 2.2491 / 1.3 LAT=-64.0 U= 2.961 / 8.2 V= 2.783 / 5.4 W= .056026 / 2.7 T= 2.2491 / 1.3 LAT=-64.0 U= 2.661 / 8.2 V= 2.783 / 5.4 W= .056026 / 2.7 T= 2.491 / 1.3 LAT=-64.0 U= 2.661 / 8.4 V= 2.789 / 6.6 W= .076615 / 2.4 T= 2.5527 / 1.1 LAT=-30.0 U= 2.661		U=		V =					T =	
LAT = 24.0 U = 5.456 / 10.0 V = 4.700 / 10.7 W = .093346 / 5.8 T = 6.280 / 4.1 LAT = 36.0 U = 6.266 / 10.3 V = 4.680 / 11.5 W = .097639 / 6.2 T = 6.497 / 4.4 LAT = 36.0 U = 7.414 / 10.5 V = 4.888 / .1 W = .097639 / 6.2 T = 6.729 / 4.7 LAT = 42.0 U = 8.494 / 10.7 V = 5.254 / .8 W = .076151 / 6.9 T = 6.907 / 4.9 LAT = 48.0 U = 9.214 / 10.9 V = 6.991 / 1.3 W = .076656 / 7.2 T = 6.764 / 5.1 LAT = 54.0 U = 10.040 / 11.2 V = 7.310 / 1.8 W = .083415 / 7.5 T = 6.473 / 5.3 LAT = 60.0 U = 12.471 / 11.3 V = 8.701 / 2.1 W = .097954 / 7.6 T = 6.473 / 5.3 LAT = 66.0 U = 10.541 / 11.4 V = 9.854 / 2.2 W = .070511 / 8.5 T = 4.409 / 5.8 LAT = 78.0 U = 8.471 / 11.4 V = 9.427 / W = .010125 / 8.3 T = 2.265 / 5.3 LAT = 78.0 U = 8.471 / 11.4 V = 9.427 / W = .010125 / 8.3 T = 2.265 / 5.3 LAT = 78.0 U = 1.324 / 8.1 V = 1.392 / 4.9 W = .003735 / 4.3 T = .267 / 1.7 LAT = 76.0 U = 2.053 / 8.1 V = 1.999 / 5.0 W = .012327 / 3.6 T = .683 / 1.5 LAT = 76.0 U = 3.164 / 8.0 V = 2.682 / 5.1 W = .025609 / 3.2 T = 1.689 / 1.2 LAT = 66.0 U = 2.841 / 8.1 V = 2.377 / 5.1 W = .027502 / 3.4 T = 1.314 / 1.3 LAT = 66.0 U = 3.266 / 8.1 V = 2.278 / 5.4 W = .051641 / 2.9 T = 2.279 / 1.1 LAT = 36.0 U = 3.266 / 8.1 V = 2.278 / 5.4 W = .051641 / 2.9 T = 2.279 / 1.1 LAT = 36.0 U = 3.266 / 8.1 V = 2.279 / 5.4 W = .051641 / 2.9 T = 2.279 / 1.1 LAT = 36.0 U = 2.941 / 8.2 V = 2.559 / 6.1 W = .056026 / 2.7 T = 2.481 / 1.0 LAT = 36.0 U = 2.631 / 8.5 V = 2.559 / 6.1 W = .067320 / 2.5 T = 2.522 / 1.1 LAT = 36.0 U = 2.631 / 8.5 V = 3.642 / 7.4 W = .093886 / 2.4 T = 2.481 / 1.0 LAT = 36.0 U = 2.631 / 8.5 V = 3.642 / 7.4 W = .093886 / 6.6 T = 6.279 / 4.9 V = .04289 / 8.1 T = 2.491 / 1.3 LAT = 36.0 U = 2.631 / 8.5 V = 3.642 / 7.4 W = .093886 / 6.6 T = 6.275 / 4.0 LAT = 30.0 U = 6.633 / 9.1 V = 5.279 / 8.7 W = .060026 / 2.7 T = 2.481 / 1.0 LAT = 30.0 U = 2.631 / 8.5 V = 3.642 / 7.4 W = .093886 / 6.6 T = 6.275 / 4.0 LAT = 30.0 U = 6.633 / 9.1 V = 5.279 / 8.7 W = .060026 / 2.4 T = 2.491 / 1.3 LAT = 30.0 U = 6.639 / 9.1 V = 5.279 / 8.7 W = .006026 / 2.4 T = 2.491 / 1.3 LAT = 30										
LAT= 30.0 U= 6.266 / 10.3 V= 4.680 / 11.5 W= .087639 / 6.2 T= 6.497 / 4.4 LAT= 36.0 U= 7.414 / 10.5 V= 4.884 / 18.4 W= .076151 / 6.9 T= 6.729 / 4.7 LAT= 42.0 U= 8.494 / 10.7 V= 5.254 / .8 W= .076151 / 6.9 T= 6.707 / 4.9 LAT= 48.0 U= 9.214 / 10.9 V= 6.091 / 1.3 W= .076665 / 7.2 T= 6.764 / 5.1 LAT= 54.0 U= 10.040 / 11.2 V= 7.310 / 1.8 W= .083415 / 7.5 T= 6.473 / 5.3 LAT= 60.0 U= 12.471 / 11.3 V= 8.701 / 2.1 W= .097954 / 7.6 T= 6.839 / 5.2 LAT= 66.0 U= 10.541 / 11.4 V= 9.854 / 2.2 W= .070511 / 8.5 T= 4.409 / 5.8 LAT= 72.0 U= 10.510 / 11.4 V= 9.854 / 2.2 W= .070511 / 8.5 T= 4.409 / 5.8 LAT= 78.0 U= 8.471 / 11.4 V= 9.427 / W= .045829 / 8.1 T= 3.574 / 5.5 LAT= 78.0 U= 8.471 / 11.4 V= 9.427 / W= .010125 / 8.3 T= 2.265 / 5.3 LAT= 66.0 U= 1.324 / 8.1 V= 1.392 / 4.9 W= .010125 / 8.3 T= 2.267 / 1.7 LAT=-72.0 U= 2.053 / 8.1 V= 1.999 / 5.0 W= .012327 / 3.6 T= .683 / 1.5 LAT=-60.0 U= 2.841 / 8.1 V= 2.377 / 5.1 W= .027502 / 3.4 T= 1.314 / 1.3 LAT=-60.0 U= 2.841 / 8.1 V= 2.803 / 5.2 W= .024497 / 3.1 T= 1.945 / 1.3 LAT=-48.0 U= 3.266 / 8.1 V= 2.803 / 5.2 W= .042497 / 3.1 T= 1.945 / 1.3 LAT=-48.0 U= 3.266 / 8.1 V= 2.783 / 5.4 W= .051641 / 2.9 T= 2.279 / 1.1 LAT=-24.0 U= 3.164 / 8.0 V= 2.659 / 6.1 W= .051641 / 2.9 T= 2.279 / 1.1 LAT=-36.0 U= 2.941 / 8.2 V= 2.659 / 6.1 W= .067320 / 2.5 T= 2.522 / 1.1 LAT=-30.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .063320 / 2.5 T= 2.522 / 1.1 LAT=-24.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .065553 / 2.2 T= 2.592 / 1.1 LAT=-24.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .065553 / 2.2 T= 2.494 / 1.1 LAT=-24.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .065553 / 2.2 T= 2.494 / 1.1 LAT=-20.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .065553 / 2.2 T= 2.494 / 1.1 LAT=-20.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .065615 / 2.4 T= 2.491 / 1.3 LAT=-12.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .065615 / 2.4 T= 2.491 / 1.3 LAT=-12.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .06553 / 2.2 T= 2.597 / 1.1 LAT=-20.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .065615 / 2.4 T= 2.491 / 1.3 LAT=-12.0 U= 2.663 / 9.1 V= 5.279 / 8.7 W= .09443 / 4.8 T= 5.821 / 3.7 T= 6.600 U= 2.696 / 9.3 V=		U≈							T=	
LAT= 42.0 U= 8.494 / 10.7 V= 5.254 / .8 W= .076151 / 6.9 T= 6.907 / 4.9 LAT= 48.0 U= 9.214 / 10.9 V= 6.091 / 1.3 W= .076655 / 7.2 T= 6.764 / 5.1 LAT= 54.0 U= 10.040 / 11.2 V= 7.310 / 1.8 W= .083415 / 7.5 T= 6.764 / 5.1 LAT= 60.0 U= 12.471 / 11.3 V= 8.701 / 2.1 W= .097954 / 7.6 T= 6.839 / 5.2 LAT= 66.0 U= 10.541 / 11.4 V= 9.854 / 2? W= .070511 / 8.5 T= 4.409 / 5.8 LAT= 72.0 U= 10.510 / 11.4 V= 10.486 / 2 W= .045829 / 8.1 T= 3.574 / 5.5 LAT= 78.0 U= 8.471 / 11.4 V= 9.427 / W= .045829 / 8.1 T= 3.574 / 5.5 LAT= 78.0 U= 2.053 / 8.1 V= 1.909 / 5.0 W= .010125 / 8.3 T= 2.265 / 5.3 LAT=-66.0 U= 2.053 / 8.1 V= 1.909 / 5.0 W= .012327 / 3.6 T= .683 / 1.5 LAT=-66.0 U= 2.841 / 8.1 V= 2.377 / 5.1 W= .027502 / 3.4 T= 1.314 / 1.3 LAT=-60.0 U= 3.264 / 8.1 V= 2.803 / 5.2 W= .042497 / 3.1 T= 1.314 / 1.3 LAT=-54.0 U= 3.266 / 8.1 V= 2.783 / 5.4 W= .042497 / 3.1 T= 1.945 / 1.3 LAT=-42.0 U= 3.266 / 8.1 V= 2.783 / 5.4 W= .051641 / 2.9 T= 2.279 / 1.1 LAT=-36.0 U= 2.941 / 8.2 V= 2.659 / 6.1 W= .051641 / 2.9 T= 2.279 / 1.1 LAT=-30.0 U= 2.610 / 8.7 V= 2.716 / 5.7 W= .060026 / 2.7 T= 2.481 / 1.0 LAT=-24.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .067320 / 2.5 T= 2.552 / 1.1 LAT=-60.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .067320 / 2.5 T= 2.552 / 1.1 LAT=-60.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .060026 / 2.7 T= 2.481 / 1.0 LAT=-12.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .060026 / 2.7 T= 2.481 / 1.0 LAT=-12.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .060026 / 2.7 T= 2.537 / 1.1 LAT=-60.0 U= 3.642 / 7.4 W= .093836 / 2.4 T= 2.537 / 1.1 LAT=-60.0 U= 3.623 / 9.1 V= 5.279 / 6.1 W= .073936 / 2.4 T= 2.537 / 1.1 LAT=-60.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .060026 / 2.7 T= 2.681 / 1.3 LAT=-60.0 U= 2.660 / 8.7 V= 3.642 / 7.4 W= .093836 / 2.4 T= 2.691 / 1.3 LAT=-60.0 U= 2.660 / 8.7 V= 3.642 / 7.4 W= .093836 / 2.4 T= 2.691 / 1.3 LAT=-60.0 U= 2.660 / 8.7 V= 3.642 / 7.4 W= .093836 / 2.5 T= 2.552 / 1.1 LAT=-60.0 U= 2.660 / 8.7 V= 3.642 / 7.4 W= .093836 / 3.3 T= 3.661 / 3.4 U= .00000000000000000000000000000000000	LAT= 30.0	U=	6.266 / 10.3	V =	4.680 / 11.5	₩ =	.087639 /	6.2	T =	6.497 / 4.4
LAT= 42.0 U= 8.494 / 10.7 V= 5.254 / .8 W= .076151 / 6.9 T= 6.907 / 4.9 LAT= 48.0 U= 9.214 / 10.9 V= 6.091 / 1.3 W= .076655 / 7.2 T= 6.764 / 5.1 LAT= 54.0 U= 10.040 / 11.2 V= 7.310 / 1.8 W= .083415 / 7.5 T= 6.764 / 5.1 LAT= 60.0 U= 12.471 / 11.3 V= 8.701 / 2.1 W= .097954 / 7.6 T= 6.839 / 5.2 LAT= 66.0 U= 10.541 / 11.4 V= 9.854 / 2? W= .070511 / 8.5 T= 4.409 / 5.8 LAT= 72.0 U= 10.510 / 11.4 V= 10.486 / 2 W= .045829 / 8.1 T= 3.574 / 5.5 LAT= 78.0 U= 8.471 / 11.4 V= 9.427 / W= .045829 / 8.1 T= 3.574 / 5.5 LAT= 78.0 U= 2.053 / 8.1 V= 1.909 / 5.0 W= .010125 / 8.3 T= 2.265 / 5.3 LAT=-66.0 U= 2.053 / 8.1 V= 1.909 / 5.0 W= .012327 / 3.6 T= .683 / 1.5 LAT=-66.0 U= 2.841 / 8.1 V= 2.377 / 5.1 W= .027502 / 3.4 T= 1.314 / 1.3 LAT=-60.0 U= 3.264 / 8.1 V= 2.803 / 5.2 W= .042497 / 3.1 T= 1.314 / 1.3 LAT=-54.0 U= 3.266 / 8.1 V= 2.783 / 5.4 W= .042497 / 3.1 T= 1.945 / 1.3 LAT=-42.0 U= 3.266 / 8.1 V= 2.783 / 5.4 W= .051641 / 2.9 T= 2.279 / 1.1 LAT=-36.0 U= 2.941 / 8.2 V= 2.659 / 6.1 W= .051641 / 2.9 T= 2.279 / 1.1 LAT=-30.0 U= 2.610 / 8.7 V= 2.716 / 5.7 W= .060026 / 2.7 T= 2.481 / 1.0 LAT=-24.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .067320 / 2.5 T= 2.552 / 1.1 LAT=-60.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .067320 / 2.5 T= 2.552 / 1.1 LAT=-60.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .060026 / 2.7 T= 2.481 / 1.0 LAT=-12.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .060026 / 2.7 T= 2.481 / 1.0 LAT=-12.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .060026 / 2.7 T= 2.537 / 1.1 LAT=-60.0 U= 3.642 / 7.4 W= .093836 / 2.4 T= 2.537 / 1.1 LAT=-60.0 U= 3.623 / 9.1 V= 5.279 / 6.1 W= .073936 / 2.4 T= 2.537 / 1.1 LAT=-60.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .060026 / 2.7 T= 2.681 / 1.3 LAT=-60.0 U= 2.660 / 8.7 V= 3.642 / 7.4 W= .093836 / 2.4 T= 2.691 / 1.3 LAT=-60.0 U= 2.660 / 8.7 V= 3.642 / 7.4 W= .093836 / 2.4 T= 2.691 / 1.3 LAT=-60.0 U= 2.660 / 8.7 V= 3.642 / 7.4 W= .093836 / 2.5 T= 2.552 / 1.1 LAT=-60.0 U= 2.660 / 8.7 V= 3.642 / 7.4 W= .093836 / 3.3 T= 3.661 / 3.4 U= .00000000000000000000000000000000000		U=		V =		W =		6.6	T=	
LAT= 54.0 U= 10.040 / 11.2 V= 7.310 / 1.8 W= .083415 / 7.5 T= 6.473 / 5.3 LAT= 60.0 U= 12.471 / 11.3 V= 8.701 / 2.1 W= .097954 / 7.6 T= 6.839 / 5.2 LAT= 66.0 U= 10.541 / 11.4 V= 9.854 / 2.2 W= .070511 / 8.5 T= 4.409 / 5.8 LAT= 72.0 U= 10.510 / 11.4 V= 10.486 / 7.5 W= .045829 / 8.1 T= 3.574 / 5.5 LAT= 78.0 U= 8.471 / 11.4 V= 9.427 / W= .045829 / 8.3 T= 2.265 / 5.3 Z= 272.801 KM LAT=-78.0 U= 1.324 / 8.1 V= 1.392 / 4.9 W= .003735 / 4.3 T= 2.265 / 5.3 LAT=-66.0 U= 2.841 / 8.1 V= 1.399 / 5.0 W= .012327 / 3.6 T= .683 / 1.5 LAT=-66.0 U= 2.841 / 8.1 V= 2.377 / 5.1 W= .027502 / 3.4 T= 1.314 / 1.3 LAT=-60.0 U= 3.164 / 8.0 V= 2.682 / 5.1 W= .03509 / 3.2 T= 1.689 / 1.2 LAT=-54.0 U= 3.204 / 8.1 V= 2.783 / 5.4 W= .03509 / 3.2 T= 1.589 / 1.2 LAT=-54.0 U= 3.266 / 8.1 V= 2.783 / 5.4 W= .051641 / 2.9 T= 2.279 / 1.1 LAT=-36.0 U= 3.175 / 8.1 V= 2.716 / 5.7 W= .060026 / 2.7 T= 2.481 / 1.0 LAT=-36.0 U= 2.631 / 8.4 V= 2.759 / 6.6 W= .076615 / 2.4 T= 2.522 / 1.1 LAT=-24.0 U= 2.631 / 8.4 V= 2.759 / 6.6 W= .076615 / 2.4 T= 2.537 / 1.1 LAT=-18.0 U= 2.631 / 8.5 V= 3.642 / 7.4 W= .093836 / 2.4 T= 2.491 / 1.3 LAT=-60.0 U= 2.630 / 8.7 V= 3.642 / 7.4 W= .093836 / 2.4 T= 2.491 / 1.3 LAT=-60.0 U= 2.630 / 8.7 V= 3.642 / 7.4 W= .093836 / 2.4 T= 2.491 / 1.3 LAT=-12.0 U= 2.630 / 8.7 V= 3.642 / 7.4 W= .093836 / 2.4 T= 2.491 / 1.3 LAT=-12.0 U= 2.630 / 8.7 V= 3.642 / 7.4 W= .093836 / 2.4 T= 2.491 / 1.3 LAT=-12.0 U= 2.630 / 8.7 V= 3.642 / 7.4 W= .093836 / 2.4 T= 2.491 / 1.3 LAT=-12.0 U= 3.633 / 9.1 V= 5.164 / 8.3 W= .102966 / 3.3 T= 3.631 / 2.6 LAT= 6.0 U= 3.633 / 9.1 V= 5.151 / 9.1 W= .102966 / 3.3 T= 3.631 / 2.6 LAT= 6.0 U= 3.633 / 9.1 V= 5.151 / 9.1 W= .102966 / 3.3 T= 3.631 / 2.6 LAT= 18.0 U= 4.678 / 9.5 V= 4.881 / 9.7 W= .006086 / 6.3 T= 6.620 / 3.7 LAT= 30.0 U= 6.393 / 10.0 V= 4.460 / 11.1 W= .007827 / 7.0 T= 6.620 / 3.5 LAT= 6.0 U= 3.630 / 10.5 V= 4.861 / 10.3 W= .006086 / 6.3 T= 6.620 / 5.2 LAT= 60.0 U= 12.816 / 11.3 V= 5.843 / 1.2 W= .006086 / 6.3 T= 6.620 / 5.2 LAT= 60.0 U= 12.816 / 11.3 V= 9.925 / 2.2 W= .063908 / 6.7 T= 6.683 / 5.1 LAT= 60	LAT= 42.0	U=	8.494 / 10.7	V=	5.254 / .8	W=	.076151 /	6.9	T =	6.907 / 4.9
LAT= 60.0 U= 12.471 / 11.3 V= 8.701 / 2.1 W= .097954 / 7.6 T= 6.839 / 5.2 LAT= 66.0 U= 10.541 / 11.4 V= 9.854 / 2? W= .070511 / 8.5 T= 4.409 / 5.8 LAT= 72.0 U= 10.510 / 11.4 V= 10.486 / 7 W= .045829 / 8.1 T= 3.574 / 5.5 LAT= 78.0 U= 8.471 / 11.4 V= 9.427 / W= .010125 / 8.3 T= 2.265 / 5.3 Z= 272.801 KM LAT=-78.0 U= 1.324 / 8.1 V= 1.392 / 4.9 W= .003735 / 4.3 T= .2.667 / 1.7 LAT=-72.0 U= 2.053 / 8.1 V= 1.909 / 5.0 W= .012327 / 3.6 T= .683 / 1.5 LAT=-66.0 U= 2.841 / 8.1 V= 2.377 / 5.1 W= .027502 / 3.4 T= 1.314 / 1.3 LAT=-60.0 U= 3.164 / 8.0 V= 2.682 / 5.1 W= .035609 / 3.2 T= 1.689 / 1.2 LAT=-54.0 U= 3.204 / 8.1 V= 2.783 / 5.4 W= .042497 / 3.1 T= 1.945 / 1.3 LAT=-42.0 U= 3.75 / 8.1 V= 2.783 / 5.4 W= .051641 / 2.9 T= 2.279 / 1.1 LAT=-30.0 U= 2.941 / 8.2 V= 2.659 / 6.1 W= .060026 / 2.7 T= 2.481 / 1.0 LAT=-30.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .060026 / 2.5 T= 2.537 / 1.1 LAT=-18.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .076615 / 2.4 T= 2.494 / 1.1 LAT=-18.0 U= 2.610 / 8.7 V= 3.642 / 7.4 W= .093836 / 2.4 T= 2.494 / 1.3 LAT=-12.0 U= 2.631 / 8.5 V= 3.642 / 7.4 W= .093836 / 2.4 T= 2.494 / 1.1 LAT=-10.0 U= 2.909 / 9.0 V= 4.232 / 7.7 W= .099443 / 2.6 T= 2.494 / 1.3 LAT=-12.0 U= 2.637 / 9.1 V= 5.164 / 8.3 W= .102965 / 3.3 T= 2.257 / 2.1 LAT= 10.0 U= 3.225 / 9.1 V= 5.164 / 8.3 W= .102965 / 3.3 T= 2.261 / 1.6 LAT= 6.0 U= 3.623 / 9.1 V= 5.164 / 8.3 W= .102965 / 3.3 T= 2.601 / 2.4 V= 2.999 / 9.0 V= 4.798 / 8.3 W= .102965 / 3.3 T= 3.631 / 2.6 LAT= 8.0 U= 6.939 / 10.0 V= 4.4851 / 9.7 W= .102965 / 3.3 T= 3.631 / 2.6 LAT= 30.0 U= 6.393 / 10.0 V= 4.4861 / 9.7 W= .102966 / 6.3 T= 6.520 / 4.3 LAT= 42.0 U= 8.830 / 10.5 V= 4.851 / 9.7 W= .102966 / 6.3 T= 6.520 / 4.3 LAT= 42.0 U= 8.830 / 10.5 V= 4.974 / 1.3 W= .006399 / 6.7 T= 6.520 / 4.3 LAT= 42.0 U= 8.830 / 10.5 V= 4.974 / 1.3 W= .006399 / 6.7 T= 6.863 / 5.1 LAT= 60.0 U= 12.816 / 11.3 V= 9.925 / 2.2 W= .06399 / 6.7 T= 6.863 / 5.1 LAT= 60.0 U= 12.816 / 11.3 V= 9.935 / 2.2 W= .06399 / 6.7 T= 6.863 / 5.1 LAT= 60.0 U= 12.816 / 11.3 V= 9.935 / 2.2 W= .06399 / 6.7 T= 6.863 / 5.1 LAT= 60.0 U= 12.8	LAT= 48.0	U=	9.214 / 10.9	V =	6.091 / 1.3	W=	.076665 /	7.2	T=	6.764 / 5.1
LAT= 66.0 U= 10.541 / 11.4 V= 9.854 / 2 ? W= .070511 / 8.5 T= 4.409 / 5.8 LAT= 72.0 U= 10.510 / 11.4 V= 10.486 / 7 W= .045829 / 8.1 T= 3.574 / 5.5 LAT= 78.0 U= 8.471 / 11.4 V= 9.427 / W= .010125 / 8.3 T= 2.265 / 5.3 Z= 272.801 KM LAT=-78.0 U= 1.324 / 8.1 V= 1.392 / 4.9 W= .003735 / 4.3 T= 2.265 / 5.3 LAT=-72.0 U= 2.053 / 8.1 V= 1.909 / 5.0 W= .012327 / 3.6 T= .683 / 1.5 LAT=-66.0 U= 2.841 / 8.1 V= 2.377 / 5.1 W= .027502 / 3.4 T= 1.314 / 1.3 LAT=-60.0 U= 3.164 / 8.0 V= 2.682 / 5.1 W= .035609 / 3.2 T= 1.689 / 1.2 LAT=-54.0 U= 3.204 / 8.1 V= 2.803 / 5.2 W= .042497 / 3.1 T= 1.945 / 1.3 LAT=-88.0 U= 3.266 / 8.1 V= 2.783 / 5.4 W= .051641 / 2.9 T= 2.279 / 1.1 LAT=-30.0 U= 3.175 / 8.1 V= 2.765 / 6.1 W= .067320 / 2.5 T= 2.281 / 1.0 LAT=-36.0 U= 2.941 / 8.2 V= 2.659 / 6.1 W= .060266 / 2.7 T= 2.481 / 1.0 LAT=-30.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .060266 / 2.7 T= 2.491 / 1.1 LAT=-80.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .060626 / 2.4 T= 2.537 / 1.1 LAT=-80.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .09443 / 2.6 T= 2.491 / 1.3 LAT=-60.0 U= 2.909 / 9.0 V= 4.232 / 7.4 W= .093836 / 2.4 T= 2.491 / 1.3 LAT=-60.0 U= 2.909 / 9.0 V= 4.232 / 7.7 W= .099443 / 2.6 T= 2.491 / 1.3 LAT=-60.0 U= 2.909 / 9.0 V= 4.232 / 7.7 W= .09943 / 2.6 T= 2.491 / 1.3 LAT=-60.0 U= 3.623 / 9.1 V= 5.164 / 8.3 W= .102966 / 3.3 T= 3.631 / 2.6 LAT= 6.0 U= 3.623 / 9.1 V= 5.164 / 8.3 W= .102966 / 3.3 T= 3.631 / 2.6 LAT= 12.0 U= 4.678 / 9.5 V= 4.851 / 9.7 W= .102967 / 3.8 T= 4.453 / 3.0 LAT= 12.0 U= 4.678 / 9.5 V= 4.851 / 9.7 W= .102969 / 3.8 T= 4.453 / 3.0 LAT= 13.0 U= 4.678 / 9.5 V= 4.851 / 9.7 W= .102969 / 5.5 T= 6.520 / 4.3 LAT= 36.0 U= 7.657 / 10.3 V= 4.578 / 10.3 W= .102969 / 5.5 T= 6.520 / 4.3 LAT= 36.0 U= 9.569 / 10.5 V= 4.861 / 9.7 W= .068953 / 6.9 T= 6.550 / 4.3 LAT= 36.0 U= 9.569 / 10.5 V= 4.861 / 9.7 W= .068953 / 6.9 T= 6.502 / 5.2 LAT= 60.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .068953 / 6.9 T= 6.683 / 5.1 LAT= 60.0 U= 12.816 / 11.3 V= 9.925 / 2.2 W= .058909 / 6.1 T= 4.408 / 5.7 LAT= 60.0 U= 10.887 / 11.3 V= 9.925 / 2.2 W= .058909 / 6.1 T= 4.408 / 5.7 LAT= 60.	LAT= 54.0	U=	10.040 / 11.2	V =	7.310 / 1.8	W=	.083415 /	7.5	T =	6.473 / 5.3
LAT = 72.0 U = 10.510 / 11.4 V = 10.486 / 7 1 W = .045829 / 8.1 T = 3.574 / 5.5 LAT = 78.0 U = 8.471 / 11.4 V = 9.427 / W = .010125 / 8.3 T = 2.265 / 5.3 Z = 272.801 KM LAT = 78.0 U = 1.324 / 8.1 V = 1.392 / 4.9 W = .003735 / 4.3 T = .267 / 1.7 LAT = 72.0 U = 2.053 / 8.1 V = 1.909 / 5.0 W = .012327 / 3.6 T = .683 / 1.5 LAT = 66.0 U = 2.841 / 8.1 V = 2.377 / 5.1 W = .027502 / 3.4 T = 1.314 / 1.3 LAT = -60.0 U = 3.164 / 8.0 V = 2.682 / 5.1 W = .035609 / 3.2 T = 1.689 / 1.2 LAT = 54.0 U = 3.204 / 8.1 V = 2.783 / 5.4 W = .042497 / 3.1 T = 1.945 / 1.3 LAT = -48.0 U = 3.266 / 8.1 V = 2.783 / 5.4 W = .06066 / 2.7 T = 2.481 / 1.0 LAT = -30.0 U = 2.941 / 8.2 V = 2.659 / 6.1 W = .06026 / 2.7 T = 2.481 / 1.0 LAT = -30.0 U = 2.941 / 8.2 V = 2.659 / 6.1 W = .06026 / 2.7 T = 2.527 / 1.1 LAT = -24.0 U = 2.631 / 8.5 V = 3.101 / 7.0 W = .05553 / 2.2 T = 2.494 / 1.1 LAT = -18.0 U = 2.631 / 8.5 V = 3.101 / 7.0 W = .05553 / 2.2 T = 2.494 / 1.1 LAT = -12.0 U = 2.631 / 8.5 V = 3.642 / 7.4 W = .093836 / 2.4 T = 2.491 / 1.3 LAT = -6.0 U = 2.909 / 9.0 V = 4.798 / 8.1 W = .02558 / 3.3 T = 3.631 / 2.6 LAT = 6.0 U = 3.225 / 9.1 V = 5.164 / 8.3 W = .102966 / 3.3 T = 3.631 / 2.6 LAT = 6.0 U = 3.623 / 9.1 V = 5.164 / 8.3 W = .102966 / 3.3 T = 3.631 / 2.6 LAT = 6.0 U = 3.623 / 9.1 V = 5.164 / 8.3 W = .102966 / 3.3 T = 3.631 / 2.6 LAT = 2.0 U = 4.678 / 9.5 V = 4.578 / 10.3 W = .045765 / 5.1 T = 6.275 / 4.0 LAT = 30.0 U = 6.393 / 10.0 V = 4.460 / 11.1 W = .047821 / 5.5 T = 6.520 / 4.3 LAT = 42.0 U = 8.830 / 10.5 V = 4.460 / 11.1 W = .047821 / 5.5 T = 6.520 / 4.3 LAT = 42.0 U = 8.830 / 10.5 V = 4.974 / .5 W = .068953 / 6.9 T = 6.502 / 5.2 LAT = 60.0 U = 12.816 / 11.2 V = 8.633 / 2.0 W = .068953 / 6.9 T = 6.502 / 5.2 LAT = 60.0 U = 12.816 / 11.0 V = 7.165 / 1.7 W = .068953 / 7.0 T = 6.863 / 5.1 LAT = 60.0 U = 12.816 / 11.3 V = 9.925 / 2.2 W = .082907 / 7.0 T = 6.863 / 5.1 LAT = 60.0 U = 12.816 / 11.3 V = 9.925 / 2.2 W = .082907 / 7.0 T = 6.863 / 5.1 LAT = 60.0 U = 12.816 / 11.3 V = 9.925 / 2.2 W = .082907 / 7.0 T = 3.576 / 5.4	LAT= 60.0	U≖		V≖	8.701 / 2.1	W=	.097954 /	7.6	T =	6.839 / 5.2
LAT= 78.0 U= 8.471 / 11.4 V= 9.427 / W= .010125 / 8.3 T= 2.265 / 5.3 Z= 272.801 KM LAT=-78.0 U= 1.324 / 8.1 V= 1.392 / 4.9 W= .003735 / 4.3 T= .267 / 1.7 LAT=-72.0 U= 2.053 / 8.1 V= 1.909 / 5.0 W= .012327 / 3.6 T= .683 / 1.5 LAT=-66.0 U= 2.841 / 8.1 V= 2.377 / 5.1 W= .027502 / 3.4 T= 1.314 / 1.3 LAT=-60.0 U= 3.164 / 8.0 V= 2.682 / 5.1 W= .035609 / 3.2 T= 1.689 / 1.2 LAT=-54.0 U= 3.204 / 8.1 V= 2.803 / 5.2 W= .042497 / 3.1 T= 1.945 / 1.3 LAT=-48.0 U= 3.266 / 8.1 V= 2.783 / 5.4 W= .051641 / 2.9 T= 2.279 / 1.1 LAT=-30.0 U= 2.941 / 8.2 V= 2.659 / 6.1 W= .067320 / 2.5 T= 2.592 / 1.1 LAT=-30.0 U= 2.941 / 8.2 V= 2.659 / 6.1 W= .067320 / 2.5 T= 2.592 / 1.1 LAT=-18.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .06553 / 2.2 T= 2.494 / 1.1 LAT=-18.0 U= 2.610 / 8.7 V= 3.642 / 7.4 W= .093836 / 2.4 T= 2.491 / 1.3 LAT=-6.0 U= 2.909 / 9.0 V= 4.232 / 7.7 W= .094443 / 2.6 T= 2.491 / 1.3 LAT=-6.0 U= 3.225 / 9.1 V= 5.164 / 8.3 W= .102366 / 3.3 T= 3.631 / 2.6 LAT= 6.0 U= 3.623 / 9.1 V= 5.164 / 8.3 W= .102366 / 3.3 T= 3.631 / 2.6 LAT= 18.0 U= 4.678 / 9.5 V= 4.851 / 9.1 W= .102378 / 4.3 T= 5.821 / 3.7 LAT= 24.0 U= 5.474 / 9.7 V= 4.851 / 9.1 W= .102378 / 4.3 T= 5.821 / 3.7 LAT= 24.0 U= 5.474 / 9.7 V= 4.851 / 9.7 W= .100943 / 4.8 T= 5.821 / 3.7 LAT= 24.0 U= 5.474 / 9.7 V= 4.851 / 9.1 W= .102378 / 4.3 T= 5.821 / 3.7 LAT= 24.0 U= 6.393 / 10.0 V= 4.861 / 9.7 W= .100943 / 4.8 T= 5.821 / 3.7 LAT= 24.0 U= 8.830 / 10.5 V= 4.851 / 9.7 W= .100943 / 4.8 T= 5.821 / 3.7 LAT= 24.0 U= 8.830 / 10.5 V= 4.861 / 9.7 W= .100943 / 4.8 T= 5.821 / 3.7 LAT= 42.0 U= 8.830 / 10.5 V= 4.974 / .5 W= .064960 / 6.3 T= 6.500 / 4.3 LAT= 66.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT= 66.0 U= 10.887 / 11.3 V= 9.925 / 2.2 W= .084002 / 7.4 T= 3.576 / 5.4	LAT= 66.0	U=	10.541 / 11.4	V ≠		W=	.070511 /	8.5	T =	4.409 / 5.8
Z= 272.801 KM LAT=-78.0 U= 1.324 / B.1 V= 1.392 / 4.9 W= .003735 / 4.3 T= .267 / 1.7 LAT=-72.0 U= 2.053 / B.1 V= 1.909 / 5.0 W= .012327 / 3.6 T= .683 / 1.5 LAT=-66.0 U= 2.841 / B.1 V= 2.377 / 5.1 W= .027502 / 3.4 T= 1.314 / 1.3 LAT=-66.0 U= 3.164 / B.0 V= 2.682 / 5.1 W= .035609 / 3.2 T= 1.689 / 1.2 LAT=-54.0 U= 3.204 / B.1 V= 2.783 / 5.2 W= .042497 / 3.1 T= 1.945 / 1.3 LAT=-48.0 U= 3.266 / B.1 V= 2.783 / 5.4 W= .051641 / 2.9 T= 2.279 / 1.1 LAT=-48.0 U= 3.266 / B.1 V= 2.783 / 5.4 W= .051641 / 2.9 T= 2.279 / 1.1 LAT=-36.0 U= 2.941 / B.2 V= 2.659 / 6.1 W= .067320 / 2.5 T= 2.481 / 1.0 LAT=-30.0 U= 2.941 / B.2 V= 2.659 / 6.1 W= .067320 / 2.5 T= 2.522 / 1.1 LAT=-18.0 U= 2.631 / B.5 V= 3.101 / 7.0 W= .065553 / 2.2 T= 2.494 / 1.1 LAT=-18.0 U= 2.610 / B.7 V= 3.642 / 7.4 W= .09386 / 2.4 T= 2.491 / 1.3 LAT=-10.0 U= 2.702 / B.9 V= 4.232 / 7.7 W= .099443 / 2.6 T= 2.617 / 1.6 LAT= 6.0 U= 3.255 / 9.1 V= 5.164 / B.3 W= .102566 / 3.3 T= 3.631 / 2.6 LAT= 6.0 U= 3.623 / 9.1 V= 5.164 / B.3 W= .102536 / 3.8 T= 2.971 / 2.1 LAT=-18.0 U= 3.623 / 9.1 V= 5.279 / B.7 W= .102159 / 3.8 T= 2.971 / 2.1 LAT= 18.0 U= 4.678 / 9.3 V= 5.151 / 9.1 W= .102378 / 4.3 T= 5.196 / 3.4 LAT= 30.0 U= 6.393 / 10.0 V= 4.578 / 10.3 W= .09386 / 2.4 T= 2.617 / 1.6 LAT= 30.0 U= 6.393 / 10.0 V= 4.581 / 9.7 W= .102378 / 4.3 T= 5.196 / 3.4 LAT= 42.0 U= 8.830 / 10.5 V= 4.460 / 11.1 W= .087821 / 5.5 T= 6.520 / 4.3 LAT= 44.0 U= 9.569 / 10.7 V= 4.584 / 10.3 W= .077326 / 5.9 T= 6.765 / 4.7 LAT= 44.0 U= 9.569 / 10.7 V= 5.843 / 1.2 W= .063993 / 6.7 T= 6.822 / 5.0 LAT= 64.0 U= 10.887 / 11.3 V= 9.925 / 2.2 W= .084002 / 7.4 T= 6.863 / 5.1 LAT= 66.0 U= 10.887 / 11.3 V= 9.925 / 2.2 W= .084002 / 7.4 T= 6.863 / 5.1 LAT= 66.0 U= 10.887 / 11.3 V= 9.925 / 2.2 W= .084002 / 7.4 T= 6.863 / 5.1 LAT= 66.0 U= 10.887 / 11.3 V= 10.660 / 2.4 W= .084002 / 7.4 T= 3.576 / 5.4	LAT= 72.0	U=	10.510 / 11.4	V =	10.486 / ^ 🤄	W =	.045829 /	8.1	T =	3.574 / 5.5
LAT=-78.0 U= 1.324 / 8.1 V= 1.392 / 4.9 W= .003735 / 4.3 T= .267 / 1.7 LAT=-72.0 U= 2.053 / 8.1 V= 1.909 / 5.0 W= .012327 / 3.6 T= .683 / 1.5 LAT=-66.0 U= 2.841 / 8.1 V= 2.377 / 5.1 W= .027502 / 3.4 T= 1.314 / 1.3 LAT=-66.0 U= 3.164 / 8.0 V= 2.682 / 5.1 W= .035609 / 3.2 T= 1.689 / 1.2 LAT=-54.0 U= 3.204 / 8.1 V= 2.803 / 5.2 W= .042497 / 3.1 T= 1.945 / 1.3 LAT=-48.0 U= 3.266 / 8.1 V= 2.773 / 5.4 W= .051641 / 2.9 T= 2.279 / 1.1 LAT=-42.0 U= 3.175 / 8.1 V= 2.716 / 5.7 W= .060026 / 2.7 T= 2.481 / 1.0 LAT=-30.0 U= 2.941 / 8.2 V= 2.659 / 6.1 W= .067320 / 2.5 T= 2.522 / 1.1 LAT=-30.0 U= 2.610 / 8.5 V= 3.101 / 7.0 W= .065553 / 2.2 T= 2.494 / 1.1 LAT=-18.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .065553 / 2.2 T= 2.494 / 1.1 LAT=-12.0 U= 2.631 / 8.5 V= 3.642 / 7.4 W= .093836 / 2.4 T= 2.491 / 1.3 LAT=-6.0 U= 2.909 / 9.0 V= 4.798 / 8.0 W= .102965 / 3.3 T= 3.631 / 2.6 LAT= 6.0 U= 3.623 / 9.1 V= 5.164 / 8.3 W= .102965 / 3.3 T= 3.631 / 2.6 LAT= 18.0 U= 4.678 / 9.5 V= 4.851 / 9.1 W= .102965 / 3.3 T= 3.631 / 2.6 LAT= 18.0 U= 4.678 / 9.5 V= 4.851 / 9.1 W= .102378 / 4.3 T= 5.921 / 3.7 LAT= 24.0 U= 5.474 / 9.7 V= 5.164 / 8.3 W= .102965 / 3.3 T= 3.631 / 2.6 LAT= 18.0 U= 4.678 / 9.5 V= 4.851 / 9.7 W= .100933 / 4.8 T= 5.821 / 3.7 LAT= 24.0 U= 5.474 / 9.7 V= 4.578 / 10.3 W= .095765 / 5.1 T= 6.520 / 4.3 LAT= 36.0 U= 7.657 / 10.3 V= 4.460 / 11.1 W= .067821 / 5.5 T= 6.520 / 4.3 LAT= 36.0 U= 7.657 / 10.3 V= 4.460 / 11.1 W= .067821 / 5.5 T= 6.520 / 4.3 LAT= 36.0 U= 7.657 / 10.3 V= 4.609 / 11.1 W= .067821 / 5.5 T= 6.520 / 4.3 LAT= 36.0 U= 10.361 / 11.0 V= 7.165 / 1.7 W= .068853 / 6.9 T= 6.502 / 5.2 LAT= 60.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT= 66.0 U= 10.887 / 11.3 V= 9.925 / 2.2 W= .058096 / 8.1 T= 4.408 / 5.7 LAT= 72.0 U= 10.815 / 11.3 V= 10.660 / 2.4 W= .034002 / 7.4 T= 3.5766 / 5.4	LAT= 78.0	U =	8.471 / 11.4	V =	9.427 /	W=	.010125 /	8.3	T =	2.265 / 5.3
LAT=-72.0 U= 2.053 / 8.1 V= 1.909 / 5.0 W= .012327 / 3.6 T= .683 / 1.5 LAT=-66.0 U= 2.841 / 8.1 V= 2.377 / 5.1 W= .027502 / 3.4 T= 1.314 / 1.3 LAT=-60.0 U= 3.164 / 8.0 V= 2.682 / 5.1 W= .035609 / 3.2 T= 1.689 / 1.2 LAT=-54.0 U= 3.204 / 8.1 V= 2.803 / 5.2 W= .042497 / 3.1 T= 1.945 / 1.3 LAT=-48.0 U= 3.266 / 8.1 V= 2.783 / 5.4 W= .051641 / 2.9 T= 2.279 / 1.1 LAT=-42.0 U= 3.175 / 8.1 V= 2.716 / 5.7 W= .060026 / 2.7 T= 2.481 / 1.0 LAT=-36.0 U= 2.941 / 8.2 V= 2.659 / 6.1 W= .067320 / 2.5 T= 2.522 / 1.1 LAT=-30.0 U= 2.764 / 8.4 V= 2.759 / 6.6 W= .076615 / 2.4 T= 2.537 / 1.1 LAT=-18.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .065533 / 2.2 T= 2.494 / 1.1 LAT=-18.0 U= 2.631 / 8.7 V= 3.642 / 7.4 W= .093836 / 2.4 T= 2.491 / 1.3 LAT=-12.0 U= 2.600 / 8.7 V= 3.642 / 7.4 W= .093836 / 2.4 T= 2.491 / 1.3 LAT=-60.0 U= 2.909 / 9.0 V= 4.798 / 8.3 W= .102965 / 3.3 T= 3.631 / 2.6 T= 2.617 / 1.6 LAT= 0.0 U= 3.225 / 9.1 V= 5.279 / 8.7 W= .162538 / 2.8 T= 2.971 / 2.1 LAT= 0.0 U= 3.623 / 9.1 V= 5.279 / 8.7 W= .162538 / 2.8 T= 2.971 / 2.1 LAT= 12.0 U= 4.078 / 9.3 V= 5.161 / 9.1 W= .102378 / 4.3 T= 5.821 / 3.7 LAT= 24.0 U= 4.078 / 9.5 V= 4.861 / 9.7 W= .102965 / 5.1 T= 6.275 / 4.0 LAT= 30.0 U= 6.393 / 10.0 V= 4.460 / 11.1 W= .007326 / 5.5 T= 6.765 / 4.7 LAT= 36.0 U= 7.657 / 10.3 V= 4.619 / 11.8 W= .077326 / 5.5 T= 6.765 / 4.7 LAT= 42.0 U= 8.830 / 10.5 V= 4.974 / .5 W= .063993 / 6.7 T= 6.765 / 4.7 LAT= 54.0 U= 9.569 / 10.7 V= 5.843 / 1.2 W= .063993 / 6.7 T= 6.502 / 5.2 LAT= 60.0 U= 12.816 / 11.0 V= 7.165 / 1.7 W= .06853 / 6.9 T= 6.765 / 5.2 LAT= 60.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT= 60.0 U= 10.887 / 11.3 V= 9.925 / 2.2 W= .034002 / 7.4 T= 3.576 / 5.4	Z= 272.801	KM								
LAT=-66.0 U= 2.841 / 8.1 V= 2.377 / 5.1 W= .027502 / 3.4 T= 1.314 / 1.3 LAT=-60.0 U= 3.164 / 8.0 V= 2.682 / 5.1 W= .035609 / 3.2 T= 1.689 / 1.2 LAT=-54.0 U= 3.204 / 8.1 V= 2.803 / 5.2 W= .042497 / 3.1 T= 1.945 / 1.3 LAT=-48.0 U= 3.266 / 8.1 V= 2.783 / 5.4 W= .051641 / 2.9 T= 2.279 / 1.1 LAT=-42.0 U= 3.175 / 8.1 V= 2.716 / 5.7 W= .060026 / 2.7 T= 2.481 / 1.0 LAT=-36.0 U= 2.941 / 8.2 V= 2.659 / 6.1 W= .067320 / 2.5 T= 2.522 / 1.1 LAT=-30.0 U= 2.764 / 8.4 V= 2.759 / 6.6 W= .076615 / 2.4 T= 2.537 / 1.1 LAT=-24.0 U= 2.610 / 8.7 V= 3.101 / 7.0 W= .08553 / 2.2 T= 2.494 / 1.1 LAT=-18.0 U= 2.610 / 8.7 V= 3.642 / 7.4 W= .093836 / 2.4 T= 2.494 / 1.3 LAT=-12.0 U= 2.702 / 8.9 V= 4.232 / 7.7 W= .09443 / 2.6 T= 2.491 / 1.3 LAT=-6.0 U= 2.909 / 9.0 V= 4.798 / 8.0 W= .102538 / 2.8 T= 2.971 / 2.1 LAT= 0.0 U= 3.623 / 9.1 V= 5.164 / 8.3 W= .102965 / 3.3 T= 3.631 / 2.6 LAT= 6.0 U= 3.623 / 9.1 V= 5.164 / 8.3 W= .102965 / 3.3 T= 3.631 / 2.6 LAT= 18.0 U= 4.678 / 9.3 V= 5.151 / 9.1 W= .102159 / 3.8 T= 4.453 / 3.0 LAT= 12.0 U= 4.678 / 9.3 V= 5.151 / 9.1 W= .102159 / 3.8 T= 4.453 / 3.0 LAT= 24.0 U= 5.474 / 9.7 V= 4.578 / 10.3 W= .102943 / 4.8 T= 5.821 / 3.7 LAT= 36.0 U= 5.474 / 9.7 V= 4.578 / 10.3 W= .09431 / 5.5 T= 6.520 / 4.3 LAT= 36.0 U= 7.657 / 10.3 V= 4.619 / 11.8 W= .077326 / 5.9 T= 6.765 / 4.0 LAT= 36.0 U= 7.657 / 10.3 V= 4.619 / 11.8 W= .077326 / 5.9 T= 6.520 / 4.3 LAT= 36.0 U= 7.657 / 10.3 V= 4.619 / 11.8 W= .077326 / 5.9 T= 6.520 / 4.3 LAT= 36.0 U= 9.569 / 10.7 V= 5.843 / 1.2 W= .06893 / 6.7 T= 6.863 / 5.1 LAT= 66.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT= 66.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT= 66.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT= 60.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .08209 / 8.1 T= 4.408 / 5.7 LAT= 72.0 U= 10.815 / 11.3 V= 10.660 / 2.4 W= .034002 / 7.4 T= 3.556 / 5.4	LAT=-78.0	U≠	1.324 / 8.1	V =	1.392 / 4.9	w=	.003735 /	4.3	Τz	.267 / 1.7
LAT==60.0 U= 3.164 / 8.0 V= 2.682 / 5.1 W= .035609 / 3.2 T= 1.689 / 1.2 LAT==54.0 U= 3.204 / 8.1 V= 2.883 / 5.2 W= .042497 / 3.1 T= 1.945 / 1.3 LAT==48.0 U= 3.266 / 8.1 V= 2.783 / 5.4 W= .051641 / 2.9 T= 2.279 / 1.1 LAT==42.0 U= 3.175 / 8.1 V= 2.716 / 5.7 W= .060026 / 2.7 T= 2.481 / 1.0 LAT==36.0 U= 2.941 / 8.2 V= 2.659 / 6.1 W= .067320 / 2.5 T= 2.522 / 1.1 LAT==30.0 U= 2.641 / 8.4 V= 2.759 / 6.6 W= .076615 / 2.4 T= 2.527 / 1.1 LAT==24.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .06553 / 2.2 T= 2.494 / 1.1 LAT==18.0 U= 2.610 / 8.7 V= 3.642 / 7.4 W= .093836 / 2.4 T= 2.491 / 1.3 LAT==12.0 U= 2.702 / 8.9 V= 4.232 / 7.7 W= .099443 / 2.6 T= 2.617 / 1.6 LAT= 6.0 U= 2.909 / 9.0 V= 4.798 / 8.7 W= .102965 / 3.3 T= 3.631 / 2.6 LAT= 6.0 U= 3.623 / 9.1 V= 5.164 / 8.3 W= .102965 / 3.3 T= 3.631 / 2.6 LAT= 12.0 U= 4.078 / 9.3 V= 5.164 / 8.3 W= .102965 / 3.3 T= 3.631 / 2.6 LAT= 12.0 U= 4.078 / 9.3 V= 5.161 / 9.1 W= .102378 / 4.3 T= 5.196 / 3.4 LAT= 18.0 U= 4.678 / 9.5 V= 4.851 / 9.7 W= .100943 / 4.8 T= 5.821 / 3.7 LAT= 24.0 U= 4.678 / 9.5 V= 4.851 / 9.7 W= .100943 / 4.8 T= 5.821 / 3.7 LAT= 30.0 U= 6.393 / 10.0 V= 4.460 / 11.1 W= .067821 / 5.5 T= 6.520 / 4.3 LAT= 30.0 U= 6.393 / 10.0 V= 4.460 / 11.1 W= .067821 / 5.5 T= 6.520 / 4.3 LAT= 42.0 U= 8.830 / 10.5 V= 4.974 / .5 W= .066953 / 6.9 T= 6.765 / 4.0 LAT= 54.0 U= 10.361 / 11.0 V= 7.165 / 1.7 W= .06853 / 6.9 T= 6.502 / 5.2 LAT= 60.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT= 60.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT= 60.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT= 60.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT= 60.0 U= 10.887 / 11.3 V= 9.925 / 2.2 W= .058096 / 8.1 T= 4.408 / 5.7 LAT= 72.0 U= 10.815 / 11.3 V= 10.660 / 2.4 W= .034002 / 7.4 T= 3.556 / 5.4		U=	2.053 / 8.1	V =	1.909 / 5.0	W=	.012327 /	3.6	T =	.683 / 1.5
LAT=-54.0 U= 3.204 / 8.1 V= 2.803 / 5.2 W= .042497 / 3.1 T= 1.945 / 1.3 LAT=-48.0 U= 3.266 / 8.1 V= 2.7783 / 5.4 W= .051641 / 2.9 T= 2.279 / 1.1 LAT=-42.0 U= 3.175 / 8.1 V= 2.716 / 5.7 W= .060026 / 2.7 T= 2.481 / 1.0 LAT=-36.0 U= 2.941 / 8.2 V= 2.659 / 6.1 W= .067320 / 2.5 T= 2.522 / 1.1 LAT=-30.0 U= 2.764 / 8.4 V= 2.759 / 6.6 W= .076615 / 2.4 T= 2.537 / 1.1 LAT=-24.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .08553 / 2.2 T= 2.494 / 1.1 LAT=-18.0 U= 2.610 / 8.7 V= 3.642 / 7.4 W= .093836 / 2.4 T= 2.491 / 1.3 LAT=-12.0 U= 2.600 / 8.7 V= 3.642 / 7.4 W= .093836 / 2.4 T= 2.491 / 1.3 LAT=-10.0 U= 2.909 / 9.0 V= 4.232 / 7.7 W= .099443 / 2.6 T= 2.617 / 1.6 LAT= 6.0 U= 2.909 / 9.0 V= 4.798 / 8.0 W= .102538 / 2.8 T= 2.971 / 2.1 LAT= 0.0 U= 3.623 / 9.1 V= 5.164 / 8.3 W= .102966 / 3.3 T= 3.631 / 2.6 LAT= 6.0 U= 3.623 / 9.1 V= 5.279 / 8.7 W= .102578 / 4.3 T= 5.196 / 3.4 LAT= 12.0 U= 4.078 / 9.3 V= 5.279 / 8.7 W= .102378 / 4.3 T= 5.196 / 3.4 LAT= 18.0 U= 4.678 / 9.5 V= 4.851 / 9.7 W= .102378 / 4.3 T= 5.821 / 3.7 LAT= 24.0 U= 5.474 / 9.7 V= 4.578 / 10.3 W= .095765 / 5.1 T= 6.275 / 4.0 LAT= 30.0 U= 6.393 / 10.0 V= 4.460 / 11.1 W= .097821 / 5.5 T= 6.520 / 4.3 LAT= 30.0 U= 6.393 / 10.0 V= 4.460 / 11.1 W= .097821 / 5.5 T= 6.520 / 4.3 LAT= 42.0 U= 8.830 / 10.5 V= 4.974 / .5 W= .066953 / 6.9 T= 6.765 / 4.7 LAT= 54.0 U= 9.569 / 10.7 V= 5.843 / 1.2 W= .063993 / 6.7 T= 6.502 / 5.2 LAT= 60.0 U= 10.361 / 11.0 V= 7.165 / 1.7 W= .06853 / 6.9 T= 6.502 / 5.2 LAT= 60.0 U= 10.361 / 11.0 V= 7.165 / 1.7 W= .06853 / 6.9 T= 6.502 / 5.2 LAT= 60.0 U= 10.887 / 11.3 V= 9.925 / 2.2 W= .058096 / 8.1 T= 4.408 / 5.7 LAT= 72.0 U= 10.815 / 11.3 V= 10.660 / 2.4 W= .034002 / 7.4 T= 3.556 / 5.4	LAT=-66.0	U=	2.841 / 8.1	V =	2.377 / 5.1	W =	.027502 /	3.4	T=	1.314 / 1.3
LAT=-48.0 U= 3.266 / 8.1 V= 2.783 / 5.4 W= .051641 / 2.9 T= 2.279 / 1.1 LAT=-42.0 U= 3.175 / 8.1 V= 2.716 / 5.7 W= .060026 / 2.7 T= 2.481 / 1.0 LAT=-36.0 U= 2.941 / 8.2 V= 2.659 / 6.1 W= .067320 / 2.5 T= 2.522 / 1.1 LAT=-30.0 U= 2.764 / 8.4 V= 2.759 / 6.6 W= .076615 / 2.4 T= 2.537 / 1.1 LAT=-24.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .085553 / 2.2 T= 2.494 / 1.1 LAT=-18.0 U= 2.610 / 8.7 V= 3.642 / 7.4 W= .093836 / 2.4 T= 2.494 / 1.1 LAT=-12.0 U= 2.702 / 8.9 V= 4.232 / 7.7 W= .099443 / 2.6 T= 2.617 / 1.6 LAT= -6.0 U= 2.909 / 9.0 V= 4.798 / 8.0 W= .102538 / 2.8 T= 2.971 / 2.1 LAT= 0.0 U= 3.623 / 9.1 V= 5.164 / 8.3 W= .102965 / 3.3 T= 3.631 / 2.6 LAT= 6.0 U= 3.623 / 9.1 V= 5.279 / 8.7 W= .102159 / 3.8 T= 4.453 / 3.0 LAT= 12.0 U= 4.078 / 9.3 V= 5.151 / 9.1 W= .102378 / 4.3 T= 5.196 / 3.4 LAT= 24.0 U= 5.474 / 9.7 V= 4.578 / 10.3 W= .09433 / 4.8 T= 5.821 / 3.7 LAT= 24.0 U= 5.474 / 9.7 V= 4.578 / 10.3 W= .09431 / 5.5 T= 6.520 / 4.3 LAT= 30.0 U= 6.393 / 10.0 V= 4.578 / 10.3 W= .095765 / 5.1 T= 6.275 / 4.0 LAT= 30.0 U= 6.393 / 10.0 V= 4.578 / 10.3 W= .095765 / 5.1 T= 6.520 / 4.3 LAT= 42.0 U= 8.830 / 10.5 V= 4.460 / 11.1 W= .067821 / 5.5 T= 6.520 / 4.3 LAT= 48.0 U= 9.569 / 10.7 V= 5.843 / 1.2 W= .063993 / 6.7 T= 6.863 / 5.1 LAT= 66.0 U= 10.361 / 11.0 V= 7.165 / 1.7 W= .06853 / 6.9 T= 6.502 / 5.2 LAT= 66.0 U= 10.361 / 11.0 V= 7.165 / 1.7 W= .06853 / 6.9 T= 6.502 / 5.2 LAT= 66.0 U= 10.887 / 11.3 V= 9.925 / 2.2 W= .058096 / 8.1 T= 4.408 / 5.7 LAT= 72.0 U= 10.887 / 11.3 V= 9.925 / 2.2 W= .058096 / 8.1 T= 4.408 / 5.7 LAT= 72.0 U= 10.887 / 11.3 V= 9.925 / 2.2 W= .058096 / 8.1 T= 4.408 / 5.7 LAT= 72.0 U= 10.887 / 11.3 V= 10.660 / 2.4 W= .034002 / 7.4 T= 3.556 / 5.4	LAT=-60.0	U≖	3.164 / 8.0	V =	2.682 / 5.1	W=	.035609 /	3.2	T =	1.689 / 1.2
LAT=-42.0 U= 3.175 / 8.1 V= 2.716 / 5.7 W= .060026 / 2.7 T= 2.481 / 1.0 LAT=-36.0 U= 2.941 / 8.2 V= 2.659 / 6.1 W= .067320 / 2.5 T= 2.522 / 1.1 LAT=-30.0 U= 2.644 / 8.4 V= 2.759 / 6.6 W= .076615 / 2.4 T= 2.527 / 1.1 LAT=-24.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .065553 / 2.2 T= 2.494 / 1.1 LAT=-18.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .065553 / 2.2 T= 2.494 / 1.1 LAT=-18.0 U= 2.610 / 8.7 V= 3.642 / 7.4 W= .093836 / 2.4 T= 2.491 / 1.3 LAT=-12.0 U= 2.702 / 8.9 V= 4.232 / 7.7 W= .099443 / 2.6 T= 2.617 / 1.6 LAT= -6.0 U= 2.909 / 9.0 V= 4.798 / 8.0 W= .102965 / 3.3 T= 3.631 / 2.6 LAT= 6.0 U= 3.623 / 9.1 V= 5.164 / 8.3 W= .102965 / 3.3 T= 3.631 / 2.6 LAT= 12.0 U= 4.078 / 9.3 V= 5.279 / 8.7 W= .102159 / 3.8 T= 4.453 / 3.0 LAT= 12.0 U= 4.678 / 9.3 V= 5.161 / 9.1 W= .102378 / 4.3 T= 5.196 / 3.4 LAT= 24.0 U= 4.678 / 9.5 V= 4.851 / 9.7 W= .100943 / 4.8 T= 5.821 / 3.7 LAT= 24.0 U= 6.393 / 10.0 V= 4.460 / 11.1 W= .067821 / 5.5 T= 6.520 / 4.3 LAT= 30.0 U= 6.393 / 10.0 V= 4.460 / 11.1 W= .067821 / 5.5 T= 6.520 / 4.3 LAT= 36.0 U= 7.657 / 10.3 V= 4.619 / 11.8 W= .077326 / 5.9 T= 6.765 / 4.7 LAT= 42.0 U= 8.830 / 10.5 V= 4.974 / .5 W= .066960 / 6.3 T= 6.954 / 4.9 LAT= 48.0 U= 9.569 / 10.7 V= 5.843 / 1.2 W= .068933 / 6.9 T= 6.502 / 5.2 LAT= 60.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT= 60.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT= 60.0 U= 10.887 / 11.3 V= 9.925 / 2.2 W= .058096 / 8.1 T= 4.408 / 5.7 LAT= 72.0 U= 10.815 / 11.3 V= 10.660 / 2.4 W= .034002 / 7.4 T= 3.556 / 5.4	LAT=-54.0	U≖	3.204 / 8.1	Vع	2.803 / 5.2	W=	.042497 /	3.1	T =	1.945 / 1.3
LAT==36.0 U= 2.941 / 8.2 V= 2.659 / 6.1 W= .067320 / 2.5 T= 2.522 / 1.1 LAT==30.0 U= 2.764 / 8.4 V= 2.7599 / 6.6 W= .076615 / 2.4 T= 2.537 / 1.1 LAT==24.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .085533 / 2.2 T= 2.494 / 1.1 LAT==18.0 U= 2.610 / 8.7 V= 3.642 / 7.4 W= .093836 / 2.4 T= 2.491 / 1.3 LAT==12.0 U= 2.702 / 8.9 V= 4.232 / 7.7 W= .099443 / 2.6 T= 2.617 / 1.6 LAT= -6.0 U= 2.909 / 9.0 V= 4.798 / 8.0 W= .102538 / 2.8 T= 2.617 / 1.6 LAT= 0.0 U= 3.225 / 9.1 V= 5.164 / 8.3 W= .102966 / 3.3 T= 3.631 / 2.6 LAT= 6.0 U= 3.623 / 9.1 V= 5.279 / 8.7 W= .102538 / 2.8 T= 2.971 / 2.1 LAT= 12.0 U= 4.078 / 9.3 V= 5.279 / 8.7 W= .102378 / 4.3 T= 5.166 / 3.4 LAT= 18.0 U= 4.678 / 9.5 V= 4.851 / 9.7 W= .102378 / 4.3 T= 5.821 / 3.7 LAT= 24.0 U= 5.474 / 9.7 V= 4.578 / 10.3 W= .095765 / 5.1 T= 6.275 / 4.0 LAT= 30.0 U= 6.393 / 10.0 V= 4.460 / 11.1 W= .097821 / 5.5 T= 6.520 / 4.3 LAT= 36.0 U= 7.657 / 10.3 V= 4.460 / 11.1 W= .097821 / 5.5 T= 6.520 / 4.3 LAT= 42.0 U= 8.830 / 10.5 V= 4.974 / .5 W= .066960 / 6.3 T= 6.765 / 4.7 LAT= 44.0 U= 9.569 / 10.7 V= 5.843 / 1.2 W= .063993 / 6.7 T= 6.863 / 5.0 LAT= 60.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT= 60.0 U= 10.361 / 11.0 V= 7.165 / 1.7 W= .068953 / 6.9 T= 6.502 / 5.2 LAT= 60.0 U= 10.361 / 11.3 V= 9.925 / 2.2 W= .058096 / 8.1 T= 4.408 / 5.7 LAT= 72.0 U= 10.887 / 11.3 V= 9.925 / 2.2 W= .058096 / 8.1 T= 4.408 / 5.7 LAT= 72.0 U= 10.887 / 11.3 V= 10.660 / 2.4 W= .034002 / 7.4 T= 3.576 / 5.4	LAT=-48.0	U=	3.266 / 8.1	V ≠	2.783 / 5.4	W=	.051641 /	2.9	1=	2.279 / 1.1
LAT=-30.0 U= 2.764 / 8.4 V= 2.759 / 6.6 W= .076615 / 2.4 T= 2.537 / 1.1 LAT=-24.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .085553 / 2.2 T= 2.494 / 1.1 LAT=-18.0 U= 2.610 / 8.7 V= 3.642 / 7.4 W= .098836 / 2.4 T= 2.491 / 1.3 LAT=-12.0 U= 2.702 / 8.9 V= 4.232 / 7.7 W= .099443 / 2.6 T= 2.617 / 1.6 LAT= -6.0 U= 2.909 / 9.0 V= 4.798 / 8.0 W= .102538 / 2.8 T= 2.971 / 2.1 LAT= 6.0 U= 3.623 / 9.1 V= 5.164 / 8.3 W= .102965 / 3.3 T= 3.631 / 2.6 LAT= 6.0 U= 3.623 / 9.1 V= 5.279 / 8.7 W= .102965 / 3.3 T= 3.631 / 2.6 LAT= 12.0 U= 4.078 / 9.3 V= 5.151 / 9.1 W= .102378 / 4.3 T= 5.196 / 3.4 LAT= 18.0 U= 4.678 / 9.5 V= 4.851 / 9.7 W= .102378 / 4.3 T= 5.921 / 3.7 LAT= 24.0 U= 5.474 / 9.7 V= 4.578 / 10.3 W= .09765 / 5.1 T= 6.275 / 4.0 LAT= 30.0 U= 6.393 / 10.0 V= 4.460 / 11.1 W= .087821 / 5.5 T= 6.520 / 4.3 LAT= 42.0 U= 8.830 / 10.5 V= 4.974 / .5 W= .097326 / 5.9 T= 6.765 / 4.7 LAT= 48.0 U= 9.569 / 10.7 V= 5.843 / 1.2 W= .068953 / 6.9 T= 6.954 / 4.9 LAT= 48.0 U= 9.569 / 10.7 V= 5.843 / 1.2 W= .068953 / 6.9 T= 6.502 / 5.2 LAT= 60.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT= 60.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT= 60.0 U= 10.887 / 11.3 V= 10.660 / 2.4 W= .034002 / 7.4 T= 3.576 / 5.4	LAT=-42.0	U≖	3.175 / 8.1	V =				2.7	T≖	2.481 / 1.0
LAT=-24.0 U= 2.631 / 8.5 V= 3.101 / 7.0 W= .05553 / 2.2 T= 2.494 / 1.1 LAT=-18.0 U= 2.610 / 8.7 V= 3.642 / 7.4 W= .093836 / 2.4 T= 2.491 / 1.3 LAT=-12.0 U= 2.702 / 8.9 V= 4.232 / 7.7 W= .09443 / 2.6 T= 2.617 / 1.6 LAT=-6.0 U= 2.909 / 9.0 V= 4.798 / 8.0 W= .102538 / 2.8 T= 2.971 / 2.1 LAT= 0.0 U= 3.225 / 9.1 V= 5.164 / 8.3 W= .102965 / 3.3 T= 3.631 / 2.6 LAT= 6.0 U= 3.623 / 9.1 V= 5.279 / 8.7 W= .102159 / 3.8 T= 4.453 / 3.0 LAT= 12.0 U= 4.078 / 9.3 V= 5.151 / 9.1 W= .102378 / 4.3 T= 5.196 / 3.4 LAT= 18.0 U= 4.678 / 9.5 V= 4.851 / 9.7 W= .100943 / 4.8 T= 5.821 / 3.7 LAT= 24.0 U= 5.474 / 9.7 V= 4.578 / 10.3 W= .095765 / 5.1 T= 6.275 / 4.0 LAT= 30.0 U= 6.393 / 10.0 V= 4.460 / 11.1 W= .007821 / 5.5 T= 6.520 / 4.3 LAT= 36.0 U= 7.657 / 10.3 V= 4.609 / 11.8 W= .077326 / 5.9 T= 6.765 / 4.7 LAT= 42.0 U= 8.830 / 10.5 V= 4.974 / .5 W= .066960 / 6.3 T= 6.954 / 4.9 LAT= 48.0 U= 9.569 / 10.7 V= 5.843 / 1.2 W= .06393 / 6.7 T= 6.862 / 5.0 LAT= 54.0 U= 10.361 / 11.0 V= 7.165 / 1.7 W= .06853 / 6.9 T= 6.502 / 5.2 LAT= 66.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT= 66.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT= 66.0 U= 10.887 / 11.3 V= 9.925 / 2.2 W= .058096 / 8.1 T= 4.408 / 5.7 LAT= 72.0 U= 10.815 / 11.3 V= 10.660 / 2.4 W= .034002 / 7.4 T= 3.576 / 5.4		U≂	2.941 / 8.2	V =	2.659 / 6.1	W =	.067320 /	2.5		
LAT=-18.0	LAT=-30.0	U=		V =		w=	.076615 /			
LAT==12.0 U= 2.702 / 8.9 V= 4.232 / 7.7 W= .099443 / 2.6 T= 2.617 / 1.6 LAT==-6.0 U= 2.909 / 9.0 V= 4.798 / 8.0 W= .102538 / 2.8 T= 2.971 / 2.1 LAT== 0.0 U= 3.225 / 9.1 V= 5.164 / 8.3 W= .102965 / 3.3 T= 3.631 / 2.6 LAT== 6.0 U= 3.623 / 9.1 V= 5.279 / 8.7 W= .102965 / 3.8 T= 4.453 / 3.0 LAT== 12.0 U= 4.078 / 9.3 V= 5.279 / 8.7 W= .102159 / 3.8 T= 4.453 / 3.0 LAT== 18.0 U= 4.678 / 9.5 V= 4.851 / 9.1 W= .102378 / 4.3 T= 5.196 / 3.4 LAT== 18.0 U= 4.678 / 9.5 V= 4.851 / 9.7 W= .100943 / 4.8 T= 5.821 / 3.7 LAT== 24.0 U= 5.474 / 9.7 V= 4.578 / 10.3 W= .09765 / 5.1 T= 6.275 / 4.0 LAT== 30.0 U= 6.393 / 10.0 V= 4.460 / 11.1 W= .087821 / 5.5 T= 6.520 / 4.3 LAT== 36.0 U= 7.657 / 10.3 V= 4.619 / 11.8 W= .077326 / 5.9 T= 6.765 / 4.7 LAT== 42.0 U= 8.830 / 10.5 V= 4.974 / .5 W= .066960 / 6.3 T= 6.954 / 4.9 LAT== 48.0 U= 9.569 / 10.7 V= 5.843 / 1.2 W= .063993 / 6.7 T= 6.822 / 5.0 LAT== 54.0 U= 10.361 / 11.0 V= 7.165 / 1.7 W= .06853 / 6.9 T= 6.502 / 5.2 LAT== 60.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT== 66.0 U= 10.887 / 11.3 V= 10.660 / 2.4 W= .034002 / 7.4 T= 3.576 / 5.4	LAT=-24.0	U≖		V =		W =	.0აა553 /	2.2		
LAT= -6.0 U= 2.909 / 9.0 V= 4.708 / 8.0 W= .102538 / 2.8 T= 2.971 / 2.1 LAT= 0.0 U= 3.225 / 9.1 V= 5.164 / 8.3 W= .102965 / 3.3 T= 3.631 / 2.6 LAT= 6.0 U= 3.623 / 9.1 V= 5.279 / 8.7 W= .102159 / 3.8 T= 4.453 / 3.0 LAT= 12.0 U= 4.078 / 9.3 V= 5.151 / 9.1 W= .102378 / 4.3 T= 5.196 / 3.4 LAT= 18.0 U= 4.678 / 9.5 V= 4.861 / 9.7 W= .100943 / 4.8 T= 5.821 / 3.7 LAT= 24.0 U= 5.474 / 9.7 V= 4.578 / 10.3 W= .0045765 / 5.1 T= 6.275 / 4.0 LAT= 30.0 U= 6.393 / 10.0 V= 4.460 / 11.1 W= .0047821 / 5.5 T= 6.520 / 4.3 LAT= 36.0 U= 7.657 / 10.3 V= 4.609 / 11.8 W= .077326 / 5.9 T= 6.765 / 4.7 LAT= 42.0 U= 8.830 / 10.5 V= 4.974 / .5 W= .066960 / 6.3 T= 6.954 / 4.9 LAT= 48.0 U= 9.569 / 10.7 V= 5.843 / 1.2 W= .063993 / 6.7 T= 6.862 / 5.0 LAT= 54.0 U= 10.361 / 11.0 V= 7.165 / 1.7 W= .068853 / 6.9 T= 6.502 / 5.2 LAT= 66.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT= 66.0 U= 10.887 / 11.3 V= 9.925 / 2.2 W= .058096 / 8.1 T= 4.408 / 5.7 LAT= 72.0 U= 10.815 / 11.3 V= 10.660 / 2.4 W= .034002 / 7.4 T= 3.576 / 5.4				-						
LAT= 0.0 U= 3.225 / 9.1 V= 5.164 / 8.3 W= .102965 / 3.3 T= 3.631 / 2.6 LAT= 6.0 U= 3.623 / 9.1 V= 5.279 / 8.7 W= .102159 / 3.8 T= 4.453 / 3.0 LAT= 12.0 U= 4.078 / 9.3 V= 5.161 / 9.1 W= .102378 / 4.3 T= 5.196 / 3.4 LAT= 18.0 U= 4.678 / 9.5 V= 4.851 / 9.7 W= .100943 / 4.8 T= 5.821 / 3.7 LAT= 24.0 U= 5.474 / 9.7 V= 4.578 / 10.3 W= .045765 / 5.1 T= 6.275 / 4.0 LAT= 30.0 U= 6.393 / 10.0 V= 4.460 / 11.1 W= .067821 / 5.5 T= 6.520 / 4.3 LAT= 36.0 U= 7.657 / 10.3 V= 4.619 / 11.8 W= .077326 / 5.9 T= 6.765 / 4.7 LAT= 42.0 U= 8.830 / 10.5 V= 4.974 / .5 W= .066960 / 6.3 T= 6.954 / 4.9 LAT= 48.0 U= 9.569 / 10.7 V= 5.843 / 1.2 W= .06393 / 6.7 T= 6.822 / 5.0 LAT= 54.0 U= 10.361 / 11.0 V= 7.165 / 1.7 W= .06853 / 6.9 T= 6.502 / 5.2 LAT= 60.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT= 66.0 U= 10.887 / 11.3 V= 9.925 / 2.2 W= .058096 / 8.1 T= 4.408 / 5.7 LAT= 72.0 U= 10.815 / 11.3 V= 10.660 / 2.4 W= .034002 / 7.4 T= 3.576 / 5.4										
LAT= 6.0 U= 3.623 / 9.1 V= 5.279 / 8.7 W= .162159 / 3.8 T= 4.453 / 3.0 LAT= 12.0 U= 4.078 / 9.3 V= 5.161 / 9.1 W= .102378 / 4.3 T= 5.196 / 3.4 LAT= 18.0 U= 4.678 / 9.5 V= 4.861 / 9.7 W= .100943 / 4.8 T= 5.821 / 3.7 LAT= 24.0 U= 5.474 / 9.7 V= 4.578 / 10.3 W= .095765 / 5.1 T= 6.275 / 4.0 LAT= 30.0 U= 6.393 / 10.0 V= 4.460 / 11.1 W= .067821 / 5.5 T= 6.520 / 4.3 LAT= 36.0 U= 7.657 / 10.3 V= 4.619 / 11.8 W= .077326 / 5.9 T= 6.765 / 4.7 LAT= 42.0 U= 8.830 / 10.5 V= 4.974 / .5 W= .066960 / 6.3 T= 6.954 / 4.9 LAT= 48.0 U= 9.569 / 10.7 V= 5.843 / 1.2 W= .063993 / 6.7 T= 6.822 / 5.0 LAT= 54.0 U= 10.361 / 11.0 V= 7.165 / 1.7 W= .06853 / 6.9 T= 6.502 / 5.2 LAT= 60.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .08273 / 7.0 T= 6.863 / 5.1 LAT= 66.0 U= 10.887 / 11.3 V= 10.660 / 2.4 W= .034002 / 7.4 T= 3.576 / 5.4										
LAT= 12.0 U= 4.078 / 9.3 V= 5.151 / 9.1 W= .102378 / 4.3 T= 5.196 / 3.4 LAT= 18.0 U= 4.678 / 9.5 V= 4.851 / 9.7 W= .100943 / 4.8 T= 5.821 / 3.7 LAT= 24.0 U= 5.474 / 9.7 V= 4.578 / 10.3 W= .095765 / 5.1 T= 6.275 / 4.0 LAT= 30.0 U= 6.393 / 10.0 V= 4.460 / 11.1 W= .067821 / 5.5 T= 6.520 / 4.3 LAT= 36.0 U= 7.657 / 10.3 V= 4.619 / 11.8 W= .077326 / 5.9 T= 6.765 / 4.7 LAT= 42.0 U= 8.830 / 10.5 V= 4.974 / .5 W= .066960 / 6.3 T= 6.954 / 4.9 LAT= 48.0 U= 9.569 / 10.7 V= 5.843 / 1.2 W= .06893 / 6.7 T= 6.822 / 5.0 LAT= 54.0 U= 10.361 / 11.0 V= 7.165 / 1.7 W= .06893 / 6.9 T= 6.502 / 5.2 LAT= 60.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT= 66.0 U= 10.887 / 11.3 V= 9.925 / 2.2 W= .058096 / 8.1 T= 4.408 / 5.7 LAT= 72.0 U= 10.815 / 11.3 V= 10.660 / 2.4 W= .034002 / 7.4 T= 3.576 / 5.4										
LAT= 18.0 U= 4.678 / 9.5 V= 4.851 / 9.7 W= .100943 / 4.8 T= 5.821 / 3.7 LAT= 24.0 U= 5.474 / 9.7 V= 4.578 / 10.3 W= .045765 / 5.1 T= 6.275 / 4.0 LAT= 30.0 U= 6.393 / 10.0 V= 4.460 / 11.1 W= .067821 / 5.5 T= 6.520 / 4.3 LAT= 36.0 U= 7.657 / 10.3 V= 4.619 / 11.8 W= .077326 / 5.9 T= 6.765 / 4.7 LAT= 42.0 U= 8.830 / 10.5 V= 4.974 / .5 W= .066960 / 6.3 T= 6.954 / 4.9 LAT= 48.0 U= 9.569 / 10.7 V= 5.843 / 1.2 W= .06393 / 6.7 T= 6.822 / 5.0 LAT= 54.0 U= 10.361 / 11.0 V= 7.165 / 1.7 W= .06853 / 6.9 T= 6.502 / 5.2 LAT= 60.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT= 66.0 U= 10.887 / 11.3 V= 9.925 / 2.2 W= .058096 / 8.1 T= 4.408 / 5.7 LAT= 72.0 U= 10.815 / 11.3 V= 10.660 / 2.4 W= .034002 / 7.4 T= 3.576 / 5.4										
LAT= 24.0 U= 5.474 / 9.7 V= 4.578 / 10.3 W= .045765 / 5.1 T= 6.275 / 4.0 LAT= 30.0 U= 6.393 / 10.0 V= 4.460 / 11.1 W= .067821 / 5.5 T= 6.520 / 4.3 LAT= 36.0 U= 7.657 / 10.3 V= 4.619 / 11.8 W= .077326 / 5.9 T= 6.765 / 4.7 LAT= 42.0 U= 8.830 / 10.5 V= 4.974 / .5 W= .066960 / 6.3 T= 6.954 / 4.9 LAT= 48.0 U= 9.569 / 10.7 V= 5.843 / 1.2 W= .063993 / 6.7 T= 6.822 / 5.0 LAT= 54.0 U= 10.361 / 11.0 V= 7.165 / 1.7 W= .068853 / 6.9 T= 6.502 / 5.2 LAT= 60.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT= 66.0 U= 10.887 / 11.3 V= 10.660 / 2.4 W= .034002 / 7.4 T= 3.576 / 5.4										
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LAT= 42.0 U= 8.830 / 10.5 V= 4.974 / .5 W= .066960 / 6.3 T= 6.954 / 4.9 LAT= 48.0 U= 9.569 / 10.7 V= 5.843 / 1.2 W= .063993 / 6.7 T= 6.822 / 5.0 LAT= 54.0 U= 10.361 / 11.0 V= 7.165 / 1.7 W= .068853 / 6.9 T= 6.502 / 5.2 LAT= 60.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT= 66.0 U= 10.887 / 11.3 V= 9.925 / 2.2 W= .058096 / 8.1 T= 4.408 / 5.7 LAT= 72.0 U= 10.815 / 11.3 V= 10.660 / 2.4 W= .034002 / 7.4 T= 3.576 / 5.4		_								
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LAT= 54.0 U= 10.361 / 11.0 V= 7.165 / 1.7 W= 068853 / 6.9 T= 6.502 / 5.2 LAT= 60.0 U= 12.816 / 11.2 V= 8.633 / 2.0 W= .082737 / 7.0 T= 6.863 / 5.1 LAT= 66.0 U= 10.887 / 11.3 V= 9.925 / 2.2 W= .058096 / 8.1 T= 4.408 / 5.7 LAT= 72.0 U= 10.815 / 11.3 V= 10.660 / 2.4 W= .034002 / 7.4 T= 3.576 / 5.4										
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LAT= 66.0 U= 10.887 / 11.3 V= 9.925 / 2.2 W= .058096 / 8.1 T= 4.408 / 5.7 LAT= 72.0 U= 10.815 / 11.3 V= 10.660 / 2.4 W= .034002 / 7.4 T= 3.576 / 5.4										
LATE 72.0 U= 10.815 / 11.3 V= 10.660 / 2.4 w= .034002 / 7.4 T= 3.576 / 5.4										
Ext. 1010 0. 01000 / 1110 4. 01004 / 211 B. 100400 / 010 12 21200 / 012 1										
	LAI# /8.0	04	0.000 / 11.3	V 4	3.334 / 2.1		.504405 /	3.0		2.200 / 3.2

Table B6. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78° S to 78° N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 304.762	КМ									
		. 200 / 7 -		1 007 / 1 7					000 (
LAT=-78.0	U =	1.308 / 7.9	٧s	1.377 / 4.7	W =	.003925 /	4.1	Ī=	.273 /	1.5
LAT=-72.0	U=	2.030 / 7.8	V =	1.869 / 4.8	W =	.012795 /	3.4	T =	.690 /	1.4
LAT=-66.0	U= U=	2.813 / 7.8	V =	2.314 / 4.9	W =	.028637 /	3.1	Ť =	1.320 /	1.2
LAT=-60.0 LAT=-54.0	U= U=	3.116 / 7.8 3.144 / 7.9	V = V =	2.598 / 4.9 2.693 / 5.1	W =	.036817 /	2.9 2.8	T = T =	1.693 / 1.945 /	1.1
LAT=-54.0	U=	3.144 / 7.9	V = V =	2.693 / 5.1 2.665 / 5.2	W = W =	.043785 / .052908 /	2.8	1 = T =	2.278 /	1.1
LAT=-48.0	U≡	3.191 / 7.9	V = V =	2.581 / 5.5	w= w=	.052908 /	2.4	T=	2.469 /	1.0
LAT=-36.0	U=	2.815 / 8.0	V =	2.553 / 6.0	w - '⊌ =	.068731 /	2.2	T=	2.501 /	1.0
LAT=-30.0	U=	2.606 / 8.1	V =	2.684 / 6.5	W=	.078789 /	2.1	T=	2.504 /	1.0
LAT=-24.0	Ü=	2.452 / 8.3	V =	3.069 / 6.9	W=	.088887 /	2.0	Ť=	2.451 /	1.0
LAT=-18.0	Ū=	2.429 / 8.5	V =	3.640 / 7.3	w=	.098882 /	2.1	Γ=	2.431 /	1.3
LAT=-12.0	Ü=	2.537 / 8.6	v =	4.273 / 7.6	W=	.106095 /	2.3	T≖	2.563 /	1.7
LAT= -6.0	U≖	2.769 / 8.7	V =	4.847 / 7.8	W=	.111010 /	2.5	T=	2.918 /	2.1
LAT= 0.0	リェ	3.127 / 8.9	V =	5.230 / 8.1	W =	.111731 /	2.9	T =	3.589 /	2.6
LAT= 6.0	U⇒	3.582 / 8.9	V =	5.354 / 8.5	W=	.109773 /	3.4	T =	4.421 /	3.0
LAT= 12.0	U≖	4.081 / 9.1	V =	5.218 / 8.9	W =	.109554 /	3.8	T=	5.210 /	3.3
LAT= 18.0	U=	4.741 / 9.4	V =	4.890 / 9.5	W =	.105466 /	4.3	T =	5.808 /	3.6
LAT= 24.0	U =	5.589 / 9.6	V =	4.567 / 10.1	₩÷	.098759 /	4.7	T =	6.306 /	4.0
LAT= 30.0	U≖	6.572 / 9.9	V٤	4.383 / 10.9	W=	.088123 /	5.0	T=	6.557 /	4.3
LAT = 36.0	U=	7.917 / 10.1	V =	4.498 / 11.7	W =	.075046 /	5.2	T =	6.817 /	4.6
LAT = 42.0	U=	9.111 / 10.3	V =	4.855 / .4	W =	.060293 /	5.4	T =	7.014 /	4.8
LAT= 48.0	U≃	9.869 / 10.6	V =	5.750 / 1.1	W =	.053232 /	5.7	T=	6.865 /	5.0
LAT= 54.0	U =	10.624 / 10.9	V =	7 136 / 1.6	W =	.056284 /	6.0	T =	6.547 /	5.2
LAT = 60.0	U≠	13.089 / 11.1	V =	8.649 / 1.9	W=	.068836 /	6.2	Ţ=	6.902 /	5.1
LAT= 66.0	U=	11.139 / 11.2	V =	10.018 / 2.1	W =	.042258 /	7.6	T =	4.425 /	5.7
LA7= 72.0	U=	11.045 / 11.2	V =	10.817 / 2.3	W=	.025486 /	6.1	T =	3.591 /	5.4
LAT= 78.0	U=	8.802 / 11.2	V =	9.673 / 2.6	W=	.019199 /	2.9	Τ≖	2.295 /	5.2
Z= 336.754	KM									i
LAT=-78.0	U=	1.315 / 7.8	V =	1.386 / 4.6	w=	.003788 /	4.1	T =	.279 /	1.6
LAT=-72.0	Ü۶	2.040 / 7.7	V =	1.867 / 4.7	W =	.012+59 /	3.2	Τ=	.696 /	1.3
LAT=-66.0	U≂	2.829 / 7.7	V =	2.303 / 4.8	₩ =	.028857 /	2.9	T=	1.330 /	1.1
LAT=-60.0	U=	3.125 / 7.7	V =	2.580 / 4.8	W =	.037037 /	2.7	T =	1.704 /	1.1
LAT=-54.0	U =	3.147 / 7.8	V =	2.664 / 5.0	W =	.044087 /	2.6	T =	1.955 /	1.2
LAT=-48.0	U=	3.186 / 7.7	V =	2.€16 / 5.2	;¥i =	.052914 /	2.4	T =	2.287 /	1.1
LAT = -42.0	U=	3.064 / 7.7	V =	2.546 / 5 .5	₩=	.061437 /	2.2	T =	2.476 /	1.0
LAT=-36.0	U =	2.783 / 7.8	V =	2.509 / 5.9	* =	.069543 /	2.0	Ţ =	2.505 /	1.0
LAT=-30.0	U -	2.559 / 8.0	V =	2.670 / 6.5	W =	.080654 /	1.9	T =	2.503 /	1.0
LAT=-24.0	U∺	2.396 / 8.1	V =	3.076 / 6.9	W =	.092029 /	1.8	T =	2.44. /	1.0
LAT = 18.0	U=	2.371 / 8.3	V =	3.676 / 7.2	W =	.103755 /	1.8	T =	2.430 /	1.2
LAT=-12.0	U = U =	2.486 / 8.5 2.741 / 8.6	V =	4.318 / 7.5 4.896 / 7.7	W =	.112844 /	2.0	T= T≠	2.540 /	1.6
LAT = -6.0	U=	2.741 / 8.6 3.125 / 8.7	V =	4.896 / 7.7 5.245 / 8 .0	W =	.119477 /	2.2	T =	2.919 / 3.589 /	2.5
LAT = 0.0	U=	3.125 / 8.7	V = V =	5.245 / 8.0	W =	.121025 /	3.1	1 = T =	3.589 / 4.429 /	3.0
LAT= 14.0	U=	4.147 / 9.0	V =	5.2-5 / 8.8	W =	.117112 /	3.5	t =	5.235 /	3.3
LAT= 18.0	U=	4.841 / 9.3	V =	4.145 / 9.4	W =	112319 /	3.8	T =	5 344 /	3.6
LAT = 24.0	U=	5.724 / 9.5	V =	4.594 / 10.0	W :	103536 /	4.2	ĭ =	6.351 /	4.0
LAT = 30.0	U=	6.741 / 9.9	V =	4.3:0 / 10.8	w =	.031E88 /	4.4	T =	6.639 /	4.3
LAT= 36.0		8.109 / 10.1	V =	4.476 / 11.6	W =	018917 /	4.5	T =	6.875 /	4 6
LAT= 42.0	Ü=	9.348 / 10.3	V=	4,7-8 / .4	A =	CF 4589	4.3	T =	7.0:0 /	4 3
LAT= 48.0	Ü=	10.083 / 10.5	V =	5.751 / 1.1	A =	Ct 0052 /	4.4	Ť==	5.925 /	- 0
LAT= 54.0	Ū=	10.830 / 10.8	V =	7. 3 / 1.6	A .	.C577#5	4.8	T =	6.601 /	. 2
			V =	8.704 / 1.9	A =	.067939	5.0	T =	6.956 /	5.1
LAT= 60.0	U =	13.308 / 11.0								
LAT= 60.0	U =	11.324 / 11.2	V =		 *=	.029046	6.4	T =	4.457 /	5.7
								T = T =		
LAT= 66.0	U=	11.324 / 11.2	V =	10.119 / 2.1	A =	.029046 -	6.4		4.457 /	5.7

AD-R125 720 A COMPENDIUM OF THEORETICAL ATMOSPHERIC TIDAL STRUCTURES PART I MODEL DES. (U) RIR FORCE GEOPHYSICS LAB HANSCOM AFB MA J M FORBES ET AL. 24 JUN 82 UNCLASSIFIED AFGL-TR-82-0173(1) F/G 4/1 NL



MICROCOPY RESOLUTION TEST CHART NATIONAL BUREAU OF STANDARDS-1963-A

Table B6. Amplitude and Phase of Lunar Semidiurnal Variations in Westerly, Northerly, and Vertical Winds, and Temperature, at Latitudes From 78°S to 78°N in 6° Increments, for Altitudes From Sea Level to 400 km, at the December Solstice (Contd)

Z= 368.753	KM									
LAT=-78.0	۲	1.328 / 7.8	V≖	1.401 / 4.5	W=	.003277 /	4.0	T=	.283 /	1.6
LAT=-72.0	Ú=	2.058 / 7.7	٧×	1.878 / 4.6	₩⇒	.012054 /	3.0	T=	.703 /	1.3
LAT=-66.0	Ū≖	2.858 / 7.6	V=	2.313 / 4.7	W=	.028233 /	2.7	Ť=	1.342 /	1.1
LAT=-60.0	Ŭ=	3.153 / 7.6	٧×	2.589 / 4.7	W=	.036350 /	2.5	T=	1.719 /	1.1
LAT=-54.0	Ü=	3.172 / 7.7	V=	2.666 / 4.9	W=	.043382 /	2.4	Ť=	1.972 /	1.1
LAT=-48.0	Ū≖	3.210 / 7.7	V=	2.616 / 5.1	W=	.052247 /	2.2	T=	2.305 /	1.0
LAT=-42.0	Ū≖	3.080 / 7.7	v=	2.535 / 5.4	w=	.060973 /	1.9	ŤΞ	2.496 /	1.0
LAT=-36.0	Ū=	2.792 / 7.8	V=	2.517 / 5.9	w=	.070019 /	1.7	T=	2.522 /	1.0
LAT=-30.0	Ū=	2.557 / 7.9	V=	2.682 / 6.4	W=	.082280 /	1.6	T=	2.518 /	1.0
LAT=-24.0	Ŭ=	2.386 / 8.1	٧×	3.098 / 6.9	W=	.095040 /	1.5	T=	2.454 /	1.0
LAT=-18.0	Ū=	2.364 / 8.3	v=	3.713 / 7.2	W=	.108516 /	1.6	T=	2.440 /	1.2
LAT=-12.0	Ü=	2.485 / 8.5	v=	4.352 / 7.5	W=	.119584 /	1.8	Ť=	2.551 /	1.6
LAT= -6.0	Ü=	2.753 / 8.6	٧±	4.944 / 7.7	W=	.128407 /	2.0	T=	2.933 /	2.1
LAT= 0.0	Ū=	3.155 / 8.7	V =	5.335 / 8.0	w=	.130751 /	2.4	T=	3.612 /	2.5
LAT= 6.0	Ū=	3.664 / 8.8	٧±	5.481 / B.3	W=	.128205 /	2.8	T=	4.461 /	3.0
LAT= 12.0	Ü=	4.226 / 9.0	V=	5.347 / 8.7	W=	.126007 /	3.2	T=	5.278 /	3.3
LAT= 18.0	บ⇒	4.933 / 9.2	V =	5.001 / 9.3	W=	.121776 /	3.5	Ť=	5.896 /	3.6
LAT= 24.0	U=	5.836 / 9.4	v =	4.624 / 9.9	w=	.112234 /	3.7	Ť=	6.410 /	4.0
LAT= 30.0	U=	6.880 / 9.8	V =	4.387 / 10.8	W=	.100989 /	3.9	T=	6.673 /	4.3
LAT= 36.0	U=	8.271 / 10.1	V=	4.469 / 11.6	W=	.092123 /	3.8	Te	6.943 /	4.6
LAT= 42.0	Ü=	9.523 / 10.3	v=	4.847 / .3	W=	.083237 /	3.6	T=	7.147 /	4.8
LAT= 48.0	Ü=	10.256 / 10.5	v=	5.732 / 1.0	W=	.077761 /	3.6	T*	6.995 /	5.0
LAT= 54.0	U≠	10.995 / 10.8	V=	7.224 / 1.6	W=	.077570 /	3.9	T=	6.666 /	5.2
LAT= 60.0	U=	13.490 / 11.0	V=	8.777 / 1.9	W=	.085914 /	4.1	T=	7.023 /	5.1
	U≠	11.482 / 11.2	V=	10.215 / 2.1	W=	.031983 /	4.7	Ť=	4.498 /	5.7
						.031303 /	7.7		7.730 /	3.1
LAT= 66.0	-	11 351 / 11.1				046560 /	27	T-	3 650 /	5 4
LAT= 72.0 LAT= 78.0	U= U=	11.351 / 11.1 9.035 / 11.1	V = V =	11.113 / 2.2 9.846 / 2.5	W= W=	.046569 / .050979 /	3.7 2.6	T=	3.650 / 2.337 /	5.4 5.2
LAT= 72.0 LAT= 78.0 Z= 400.753	U= U= KM	11.351 / 11.1 9.035 / 11.1	V± V=	11.113 / 2.2 9.846 / 2.5	₩= ₩=	.050979 /	2.6	Ť≖	2.337 /	5.2
LAT= 72.0 LAT= 78.0 Z= 400.753 LAT=-78.0	U= U= KM	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7	V = V = V =	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5	W= W=	.050979 /	3.7	T=	.287 /	1.6
LAT= 72.0 LAT= 78.0 Z= 400.753 LAT=-78.0 LAT=-72.0	U= U= KM U= U=	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6	V = V = V =	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5 1.896 / 4.6	W= W= W=	.050979 / .002485 / .011060 /	3.7 2.7	T= T= T=	.287 / .711 /	1.6 1.3
LAT= 72.0 LAT= 78.0 Z= 400.753 LAT=-78.0 LAT=-72.0 LAT=-66.0	U= U= U= U= U=	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6 2.889 / 7.6	V = V = V = V =	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5 1.896 / 4.6 2.332 / 4.7	W= W= W=	.050979 / .002485 / .011060 / .026832 /	3.7 2.7 2.5	T= T= T=	.207 / .711 / 1.355 /	1.6 1.3
LAT= 72.0 LAT= 78.0 Z= 400.753 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0	U= U= U= U=	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6 2.889 / 7.6 3.186 / 7.6	V = V = V = V = V = V = V = V = V = V =	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5 1.896 / 4.6 2.332 / 4.7 2.609 / 4.7	W= W= W= W= W=	.050979 / .002485 / .011060 / .026832 / .034835 /	3.7 2.7 2.5 2.3	T= T= T= T=	.287 / .711 / 1.355 / 1.736 /	1.6 1.3 1.1
LAT= 72.0 LAT= 78.0 Z= 400.753 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0	U= U= U= U= U=	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6 2.889 / 7.6 3.186 / 7.6 3.204 / 7.7	V = V = V = V = V = V = V = V = V = V =	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5 1.896 / 4.6 2.332 / 4.7 2.683 / 4.9	W= W= W= W= W=	.050979 / .002485 / .011060 / .026832 / .034835 / .041878 /	3.7 2.7 2.5 2.3 2.2	T= T= T= T= T=	.287 / .711 / 1.355 / 1.736 / 1.991 /	1.6 1.3 1.1 1.1
LAT= 72.0 LAT= 78.0 Z= 400.753 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-48.0	U= U= U= U= U= U= U=	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6 2.889 / 7.6 3.186 / 7.6 3.204 / 7.7 3.240 / 7.6	V = V = V = V = V = V = V = V = V = V =	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5 1.896 / 4.6 2.332 / 4.7 2.609 / 4.7 2.629 / 5.1		.050979 / .002485 / .011060 / .026832 / .034835 / .041878 / .050667 /	3.7 2.7 2.5 2.3 2.2	T= T= T= T= T=	.287 / .711 / 1.355 / 1.736 / 1.991 / 2.328 /	1.6 1.3 1.1 1.1 1.0
LAT= 72.0 LAT= 78.0 Z= 400.753 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-60.0 LAT=-48.0 LAT=-42.0	U= U= U= U= U= U= U= U=	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6 2.889 / 7.6 3.186 / 7.6 3.204 / 7.7 3.240 / 7.6 3.108 / 7.6	V = V = V = V = V = V = V = V = V = V =	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5 1.896 / 4.6 2.332 / 4.7 2.609 / 4.7 2.683 / 4.9 2.629 / 5.1 2.547 / 5.4	**************************************	.050979 / .002485 / .011060 / .026832 / .034835 / .041878 / .050667 /	3.7 2.7 2.5 2.3 2.2 1.9	T= T= T= T= T= T= T=	.287 / .711 / 1.355 / 1.736 / 1.991 / 2.328 / 2.519 /	1.6 1.3 1.1 1.1 1.0 1.0
LAT= 72.0 LAT= 78.0 Z= 400.753 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-64.0 LAT=-48.0 LAT=-42.0 LAT=-36.0	U= U= U= U= U= U= U= U=	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6 2.889 / 7.6 3.186 / 7.6 3.204 / 7.7 3.240 / 7.6 3.108 / 7.6 2.813 / 7.7	V = V = V = V = V = V = V = V = V = V =	11.113 / 2.2 9.845 / 2.5 1.418 / 4.5 1.896 / 4.6 2.332 / 4.7 2.683 / 4.9 2.629 / 5.1 2.547 / 5.4 2.532 / 5.9	**************************************	.050979 / .002485 / .011060 / .026832 / .034835 / .041878 / .050667 / .060271 /	3.7 2.7 2.5 2.3 2.2 1.9 1.7	T= T= T= T= T= T= T= T=	.287 / .711 / 1.355 / 1.736 / 1.991 / 2.328 / 2.519 / 2.545 /	1.6 1.3 1.1 1.1 1.0 1.0
LAT= 72.0 LAT= 78.0 Z= 400.753 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-48.0 LAT=-42.0 LAT=-36.0 LAT=-30.0	U= U= U= U= U= U= U= U= U= U= U=	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6 2.889 / 7.6 3.186 / 7.6 3.204 / 7.7 3.240 / 7.6 3.108 / 7.6 2.813 / 7.7 2.572 / 7.9	V = V = V = V = V = V = V = V = V = V =	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5 1.896 / 4.6 2.332 / 4.7 2.609 / 4.7 2.629 / 5.1 2.547 / 5.4 2.532 / 5.9 2.703 / 6.4	#= #= #= #= #= #= #= #=	.002485 / .011060 / .026832 / .034835 / .041878 / .050667 / .060271 / .070203 /	3.7 2.7 2.5 2.3 2.2 1.9 1.7	T= T= T= T= T= T=	.287 / .711 / 1.355 / 1.736 / 1.991 / 2.328 / 2.519 / 2.540 /	1.6 1.3 1.1 1.1 1.0 1.0
LAT= 72.0 LAT= 78.0 Z= 400.753 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-48.0 LAT=-42.0 LAT=-36.0 LAT=-30.0 LAT=-24.0	U= U= U= U= U= U= U= U= U= U=	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6 2.889 / 7.6 3.186 / 7.6 3.204 / 7.7 3.240 / 7.6 2.813 / 7.7 2.572 / 7.9 2.400 / 8.0	V = V = V = V = V = V = V = V = V = V =	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5 1.896 / 4.6 2.332 / 4.7 2.609 / 4.7 2.683 / 4.9 2.629 / 5.1 2.547 / 5.4 2.532 / 5.9 2.703 / 6.4 3.125 / 6.9		.050979 / .002485 / .011060 / .026832 / .034835 / .041878 / .050667 / .060271 / .070203 / .083754 /	3.7 2.7 2.5 2.3 2.2 1.9 1.7 1.5 1.4	T=	2.337 / .287 / .711 / 1.355 / 1.736 / 1.991 / 2.328 / 2.519 / 2.545 / 2.545 / 2.544 /	1.6 1.3 1.1 1.1 1.0 1.0 1.0
LAT= 72.0 LAT= 78.0 Z= 400.753 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-42.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0	U= U= U= U= U= U= U= U== U== U== U==	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6 2.889 / 7.6 3.186 / 7.6 3.204 / 7.7 3.240 / 7.6 3.108 / 7.6 2.813 / 7.7 2.572 / 7.9 2.400 / 8.0 2.377 / 8.2	V = V = V = V = V = V = V = V = V = V =	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5 1.896 / 4.6 2.332 / 4.7 2.683 / 4.9 2.629 / 5.1 2.547 / 5.4 2.532 / 5.9 2.703 / 6.4 3.125 / 6.9 3.756 / 7.2	**************************************	.002485 / .011060 / .011060 / .026832 / .034835 / .050667 / .050667 / .060271 / .070203 / .083754 / .097832 /	3.7 2.7 2.5 2.3 2.2 1.9 1.7 1.5 1.4	T= T	2.337 / .287 / .711 / 1.355 / 1.736 / 1.991 / 2.328 / 2.519 / 2.540 / 2.460 /	1.6 1.3 1.1 1.1 1.0 1.0 1.0
LAT = 72.0 LAT = 78.0 Z = 400.753 LAT = -78.0 LAT = -72.0 LAT = -66.0 LAT = -66.0 LAT = -54.0 LAT = -48.0 LAT = -36.0 LAT = -36.0 LAT = -36.0 LAT = -24.0 LAT = -12.0	U= U= U= U= U= U= U= U= U= U= U= U=	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6 2.889 / 7.6 3.186 / 7.6 3.204 / 7.7 3.240 / 7.6 3.108 / 7.6 3.108 / 7.7 2.572 / 7.9 2.400 / 8.0 2.377 / 8.2 2.502 / 8.4	V = V = V = V = V = V = V = V = V = V =	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5 1.896 / 4.6 2.332 / 4.7 2.609 / 4.7 2.683 / 4.9 2.629 / 5.1 2.547 / 5.4 2.532 / 5.9 2.703 / 6.4 3.125 / 6.9 3.756 / 7.2 4.391 / 7.4	**************************************	.002485 / .011060 / .026832 / .034835 / .041878 / .050667 / .060271 / .070203 / .083754 / .097832 / .112995 / .1126033 /	3.7 2.7 2.5 2.3 2.2 1.9 1.7 1.5 1.4	T=	2.337 / .287 / .711 / 1.355 / 1.736 / 1.991 / 2.328 / 2.519 / 2.540 / 2.474 / 2.474 / 2.476 / 2.571 /	1.6 1.3 1.1 1.1 1.0 1.0 1.0 1.0
LAT = 72.0 LAT = 78.0 Z = 400.753 LAT = -78.0 LAT = -72.0 LAT = -66.0 LAT = -60.0 LAT = -54.0 LAT = -48.0 LAT = -36.0 LAT = -30.0 LAT = -24.0 LAT = -12.0 LAT = -12.0 LAT = -12.0 LAT = -12.0	U= U= U= U= U= U= U= U= U= U= U= U= U= U	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6 2.889 / 7.6 3.186 / 7.6 3.204 / 7.7 3.240 / 7.6 2.813 / 7.7 2.572 / 7.9 2.400 / 8.0 2.377 / 8.2 2.502 / 8.4 2.777 / 8.5	V = V = V = V = V = V = V = V = V = V =	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5 1.896 / 4.6 2.332 / 4.7 2.609 / 4.7 2.683 / 4.9 2.629 / 5.1 2.547 / 5.4 2.532 / 5.9 2.703 / 6.9 3.756 / 7.2 4.391 / 7.4 4.986 / 7.6	**************************************	.002485 / .011060 / .026832 / .034835 / .041878 / .050667 / .060271 / .070203 / .083754 / .097832 / .112995 / .126033 /	3.7 2.5 2.3 2.2 1.7 1.5 1.4 1.6 1.8	T= T	2.337 / .287 / .711 / 1.355 / 1.736 / 1.991 / 2.328 / 2.519 / 2.545 / 2.540 / 2.474 / 2.460 / 2.571 / 2.958 /	1.6 1.3 1.1 1.1 1.0 1.0 1.0 1.0 1.0 2.1
LAT= 72.0 LAT= 78.0 Z= 400.753 LAT=-78.0 LAT=-72.0 LAT=-60.0 LAT=-60.0 LAT=-54.0 LAT=-42.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-18.0 LAT=-19.0 LAT=-19.0	U= U= U== U== U== U== U== U== U== U== U	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6 2.889 / 7.6 3.186 / 7.6 3.204 / 7.7 3.240 / 7.6 3.108 / 7.6 2.813 / 7.7 2.572 / 7.9 2.400 / 8.0 2.377 / 8.2 2.502 / 8.4 2.777 / 8.5 3.192 / 8.6	V = V = V = V = V = V = V = V = V = V =	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5 1.896 / 4.6 2.332 / 4.7 2.683 / 4.9 2.629 / 5.1 2.547 / 5.4 2.532 / 5.9 2.703 / 6.9 3.756 / 7.2 4.391 / 7.4 4.986 / 7.6 5.384 / 8.0	**************************************	.002485 / .011060 / .026832 / .034835 / .041878 / .050667 / .060271 / .070203 / .083754 / .097832 / .112995 / .1126033 / .136996 /	3.772.5 2.32.29 1.971.5 1.441.3 1.461.8 2.2	T= T	2.337 / .287 / .711 / 1.355 / 1.736 / 1.991 / 2.328 / 2.519 / 2.540 / 2.474 / 2.474 / 2.474 / 3.644 /	1.6 1.3 1.1 1.1 1.0 1.0 1.0 1.0 1.6 2.1 2.5
LAT = 72.0 LAT = 78.0 Z = 400.753 LAT = -78.0 LAT = -72.0 LAT = -66.0 LAT = -66.0 LAT = -54.0 LAT = -48.0 LAT = -36.0 LAT = -36.0 LAT = -24.0 LAT = -24.0 LAT = -24.0 LAT = -24.0 LAT = -24.0 LAT = -6.0 LAT = -6.0	U= U= KM U=	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6 2.889 / 7.6 3.186 / 7.6 3.204 / 7.7 3.240 / 7.6 3.108 / 7.6 2.813 / 7.7 2.572 / 7.9 2.400 / 8.0 2.377 / 8.2 2.502 / 8.4 2.777 / 8.5 3.192 / 8.6 3.718 / 8.7	V = V = V = V = V = V = V = V = V = V =	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5 1.896 / 4.6 2.332 / 4.7 2.683 / 4.9 2.629 / 5.1 2.547 / 5.4 2.532 / 5.9 2.703 / 6.4 3.125 / 6.9 2.703 / 6.4 3.125 / 6.9 3.125 / 7.4 4.986 / 7.6 5.384 / 8.0 5.535 / 8.3	**************************************	.002485 / .011060 / .026832 / .034835 / .041878 / .050667 / .060271 / .070203 / .083754 / .097832 / .112995 / .1126033 / .136996 / .140634 /	3.772.532.2.91.751.41.682.2.5	T= T	2.337 / .287 / .711 / 1.355 / 1.736 / 1.991 / 2.328 / 2.519 / 2.540 / 2.540 / 2.474 / 2.460 / 2.571 / 2.958 / 3.644 / 4.502 /	1.6 1.3 1.1 1.1 1.0 1.0 1.0 1.0 1.2 1.6 1.2 1.5 3.0
LAT = 72.0 LAT = 78.0 Z = 400.753 LAT = -78.0 LAT = -72.0 LAT = -66.0 LAT = -66.0 LAT = -48.0 LAT = -48.0 LAT = -36.0 LAT = -36.0 LAT = -30.0 LAT = -12.0 LAT = -12.0 LAT = 12.0 LAT = 12.0 LAT = -6.0 LAT = 6.0 LAT = 12.0	U= U= U= U= U= U= U= U= U= U= U= U= U= U	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6 2.889 / 7.6 3.186 / 7.6 3.204 / 7.7 3.240 / 7.6 2.813 / 7.7 2.572 / 7.9 2.400 / 8.0 2.377 / 8.2 2.502 / 8.4 2.777 / 8.5 3.192 / 8.6 3.718 / 8.7 4.287 / 8.9	V = V = V = V = V = V = V = V = V = V =	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5 1.896 / 4.6 2.332 / 4.7 2.609 / 4.7 2.683 / 4.9 2.629 / 5.1 2.547 / 5.4 2.532 / 5.9 2.703 / 6.9 3.756 / 7.2 4.391 / 7.4 4.986 / 7.6 5.384 / 8.0 5.535 / 8.3 5.404 / 8.7	**************************************	.002485 / .011060 / .026832 / .034835 / .041878 / .050667 / .060271 / .070203 / .097832 / .112995 / .1126033 / .136996 / .138561 / .137313 /	3.772.5321.971.54 1.6822.58	T = T = T = T = T = T = T = T = T = T =	2.337 / .287 / .711 / 1.355 / 1.736 / 1.991 / 2.328 / 2.519 / 2.545 / 2.545 / 2.474 / 2.460 / 2.571 / 2.958 / 3.644 / 4.502 / 5.329 /	5.2 1.63 1.1 1.1 1.0 1.0 1.0 1.0 1.0 2.5 3.3
LAT = 72.0 LAT = 78.0 Z = 400.753 LAT = -78.0 LAT = -72.0 LAT = -60.0 LAT = -60.0 LAT = -54.0 LAT = -42.0 LAT = -36.0 LAT = -36.0 LAT = -36.0 LAT = -36.0 LAT = -36.0 LAT = -6.0 LAT = -6.0 LAT = -6.0 LAT = -6.0 LAT = 6.0 LAT = 12.0 LAT = 12.0 LAT = 12.0 LAT = 12.0	W= U=	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6 2.889 / 7.6 3.186 / 7.6 3.204 / 7.7 3.240 / 7.6 3.108 / 7.6 2.813 / 7.7 2.572 / 7.9 2.400 / 8.0 2.377 / 8.2 2.502 / 8.4 2.777 / 8.5 3.192 / 8.6 3.718 / 8.7 4.287 / 8.9 5.017 / 9.2	V = V = V = V = V = V = V = V = V = V =	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5 1.896 / 4.6 2.332 / 4.7 2.683 / 4.9 2.629 / 5.1 2.547 / 5.4 2.532 / 5.9 2.703 / 6.4 3.756 / 7.2 4.391 / 7.4 6.384 / 8.0 5.535 / 8.3 5.404 / 8.7 5.054 / 9.3	**************************************	.002485 / .011060 / .011060 / .026832 / .034835 / .041878 / .050667 / .060271 / .070203 / .083754 / .097832 / .112995 / .126033 / .136996 / .140634 / .138561 / .137313 /	3.772.532.2971.514.461.82.2583.1	T= T	2.337 / .287 / .711 / 1.355 / 1.736 / 1.991 / 2.328 / 2.519 / 2.540 / 2.540 / 2.571 / 2.975 / 3.644 / 4.502 / 5.329 / 5.954 /	5.2 1.63 1.1 1.1 1.0 1.0 1.0 1.0 1.0 2.5 3.3 3.6
LAT = 72.0 LAT = 78.0 Z = 400.753 LAT = -78.0 LAT = -72.0 LAT = -66.0 LAT = -66.0 LAT = -54.0 LAT = -36.0 LAT = -36.0 LAT = -36.0 LAT = -24.0 LAT = -12.0 LAT = -6.0 LAT = -6.0 LAT = -6.0 LAT = 12.0 LAT = 18.0 LAT = 18.0	W =	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6 2.889 / 7.6 3.186 / 7.6 3.204 / 7.7 3.240 / 7.6 3.108 / 7.6 2.813 / 7.7 2.572 / 7.9 2.400 / 8.0 2.377 / 8.2 2.502 / 8.4 2.777 / 8.5 3.192 / 8.6 3.718 / 8.7 4.287 / 8.9 5.017 / 9.2 5.930 / 9.4	V = V = V = V = V = V = V = V = V = V =	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5 1.896 / 4.6 2.332 / 4.7 2.683 / 4.9 2.629 / 5.1 2.547 / 5.4 2.532 / 5.9 2.703 / 6.4 3.125 / 6.9 2.703 / 6.4 3.125 / 6.9 2.703 / 6.4 3.125 / 6.9 2.703 / 6.4 3.125 / 6.9 3.756 / 7.2 4.391 / 7.4 4.986 / 7.6 5.384 / 8.0 5.535 / 8.3 5.404 / 8.7 5.054 / 9.3 4.678 / 9.9	**************************************	.002485 / .011060 / .026832 / .034835 / .041878 / .050667 / .060271 / .070203 / .083754 / .097832 / .112995 / .1126033 / .136996 / .140634 / .137313 / .137313 / .133523 /	2.6 3.775.322.2.1.5 1.54.4.1.6 1.68.2.5 1.68.2.5 1.33.3	T= T=	2.337 / .287 / .711 / 1.355 / 1.736 / 1.991 / 2.328 / 2.519 / 2.540 / 2.540 / 2.460 / 2.571 / 2.958 / 3.644 / 4.502 / 5.329 / 6.475 /	1.6 1.3 1.1 1.1 1.0 1.0 1.0 1.2 2.5 3.3 3.4
LAT = 72.0 LAT = 78.0 Z = 400.753 LAT = -78.0 LAT = -72.0 LAT = -66.0 LAT = -60.0 LAT = -64.0 LAT = -42.0 LAT = -36.0 LAT = -30.0 LAT = -24.0 LAT = -12.0 LAT = -6.0 LAT = -6.0 LAT = 6.0 LAT = 6.0 LAT = 12.0 LAT = 13.0	W == U = U = U = U = U = U = U = U = U =	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6 2.889 / 7.6 3.186 / 7.6 3.204 / 7.7 3.240 / 7.6 2.813 / 7.7 2.572 / 7.9 2.400 / 8.0 2.377 / 8.2 2.502 / 8.4 2.777 / 8.5 3.192 / 8.6 3.718 / 8.7 4.287 / 8.9 5.017 / 9.2 5.930 / 9.4 6.989 / 9.8	V = V = V = V = V = V = V = V = V = V =	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5 1.896 / 4.6 2.332 / 4.7 2.609 / 4.7 2.683 / 4.9 2.629 / 5.1 2.547 / 5.4 2.532 / 5.9 2.703 / 6.9 3.756 / 7.2 4.391 / 7.4 4.986 / 7.6 5.384 / 8.0 5.535 / 8.3 5.404 / 8.7 5.054 / 9.3 4.678 / 9.9 4.417 / 10.7	**************************************	.002485 / .011060 / .026832 / .034835 / .041878 / .050667 / .060271 / .070203 / .12995 / .112995 / .112995 / .1140634 / .138561 / .137313 / .137313 / .13523 / .125570 /	3.775322.971.54341.6822.5813.33.4	T=	2.337 / .287 / .711 / 1.355 / 1.736 / 1.991 / 2.328 / 2.519 / 2.540 / 2.474 / 2.460 / 2.571 / 2.958 / 3.644 / 5.329 / 5.329 / 6.475 / 6.741 /	5.2 1.6133 1.111.1 1.01.0 1.001.0 1.02.1 2.53.0 3.33.3 4.04.3
LAT = 72.0 LAT = 78.0 Z = 400.753 LAT = -78.0 LAT = -72.0 LAT = -60.0 LAT = -60.0 LAT = -42.0 LAT = -42.0 LAT = -30.0 LAT = -30.0 LAT = -12.0 LAT = 12.0 LAT = 12.0 LAT = 12.0 LAT = 12.0 LAT = 12.0 LAT = 12.0 LAT = 24.0 LAT = 30.0 LAT = 30.0 LAT = 30.0	U= U	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6 2.889 / 7.6 3.186 / 7.6 3.204 / 7.7 3.240 / 7.6 3.108 / 7.6 2.813 / 7.7 2.572 / 7.9 2.400 / 8.0 2.377 / 8.2 2.502 / 8.4 2.777 / 8.5 3.192 / 8.6 3.718 / 8.7 4.287 / 8.9 5.017 / 9.2 5.930 / 9.4 6.989 / 9.8 8.410 / 10.0	V = V = V = V = V = V = V = V = V = V =	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5 1.896 / 4.6 2.332 / 4.7 2.683 / 4.9 2.629 / 5.1 2.547 / 5.4 2.532 / 5.9 2.703 / 6.4 3.756 / 7.2 4.391 / 7.4 4.391 / 7.4 4.396 / 7.6 5.384 / 8.0 5.535 / 8.3 5.404 / 8.7 5.054 / 9.3 4.678 / 9.9 4.482 / 11.6	**************************************	.002485 / .011060 / .026832 / .034835 / .041878 / .050667 / .060271 / .070203 / .083754 / .097832 / .112995 / .112995 / .136996 / .138561 / .137313 / .133523 / .135570 / .116646 /	2.6 3.775322.3 22.9754.3 1.68258133.4 1.68258133.3	T= T	2.337 / .287 / .711 / 1.355 / 1.736 / 1.991 / 2.328 / 2.519 / 2.540 / 2.540 / 2.460 / 2.571 / 2.964 / 4.502 / 5.329 / 6.475 / 6.741 / 7.014 /	1.6 1.3 1.1 1.1 1.0 1.0 1.0 1.0 1.0 2.1 2.1 2.3 3.3 3.6 4.0 4.6
LAT= 72.0 LAT= 78.0 Z= 400.753 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-54.0 LAT=-54.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-18.0 LAT=-12.0 LAT=-6.0 LAT=-6.0 LAT=-12.0 LAT=-18.0 LAT=-12.0 LAT=-18.0 LAT=-18.0 LAT=-12.0 LAT=-6.0 LAT=-18.0 LAT=-6.0	U= U	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6 2.889 / 7.6 3.186 / 7.6 3.204 / 7.7 3.240 / 7.6 3.108 / 7.6 2.813 / 7.7 2.572 / 7.9 2.400 / 8.0 2.377 / 8.2 2.502 / 8.4 2.777 / 8.5 3.192 / 8.6 3.718 / 8.7 4.287 / 8.9 5.017 / 9.2 5.930 / 9.4 6.989 / 9.8 8.410 / 10.0 9.652 / 10.0	V= V	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5 1.896 / 4.6 2.332 / 4.7 2.683 / 4.9 2.629 / 5.1 2.547 / 5.4 2.532 / 5.9 2.703 / 6.4 3.125 / 6.9 3.756 / 7.2 4.391 / 7.4 4.986 / 7.6 5.384 / 8.0 5.535 / 8.3 5.404 / 8.7 5.054 / 9.3 4.678 / 9.9 4.417 / 10.7 4.482 / 11.6 4.874 / .3	**************************************	.002485 / .011060 / .026832 / .034835 / .041878 / .050667 / .060271 / .070203 / .083754 / .097832 / .112995 / .1126033 / .136996 / .140634 / .133531 / .133523 / .135570 / .116646 / .113513 /	2.6 7.7532.9 1.543.4 1.682.581.3 3.33.3 3.1	T= T	2.337 / .287 / .711 / 1.355 / 1.736 / 1.991 / 2.328 / 2.519 / 2.540 / 2.540 / 2.474 / 2.460 / 2.958 / 3.644 / 4.502 / 5.329 / 6.741 / 7.014 / 7.021 /	1.6 1.3 1.1 1.1 1.0 1.0 1.0 1.0 2.1 2.5 3.0 3.6 4.3 4.8 4.8
LAT= 72.0 LAT= 78.0 Z= 400.753 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-54.0 LAT=-48.0 LAT=-36.0 LAT=-30.0 LAT=-24.0 LAT=-12.0 LAT=-12.0 LAT=-6.0 LAT=-6.0 LAT=-6.0 LAT=-6.0 LAT=-12.0 LAT=-12.0 LAT=-13.0	U= U	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6 2.889 / 7.6 3.186 / 7.6 3.204 / 7.7 3.240 / 7.6 2.813 / 7.7 2.572 / 7.9 2.400 / 8.0 2.377 / 8.2 2.502 / 8.4 2.777 / 8.5 3.192 / 8.6 3.718 / 8.7 4.287 / 8.9 5.017 / 9.2 5.930 / 9.4 6.989 / 9.8 8.410 / 10.0 9.652 / 10.2 10.407 / 10.5	V= V	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5 1.896 / 4.6 2.332 / 4.7 2.683 / 4.9 2.629 / 5.1 2.547 / 5.4 2.532 / 5.9 2.703 / 6.9 3.756 / 7.2 4.391 / 7.4 4.986 / 7.6 5.384 / 8.0 5.535 / 8.3 4.678 / 9.9 4.417 / 10.7 4.482 / 11.6 4.874 / 3.0	**************************************	.002485 / .011060 / .026832 / .034835 / .041878 / .050667 / .060271 / .070203 / .083754 / .097832 / .112995 / .1126033 / .136996 / .140634 / .137313 / .137313 / .13523 / .125570 / .116646 / .113513 / .111181 / .108449 /	2.6 3.75329754468258133333333333333333333333333333333333	T = T = T = T = T = T = T = T = T = T =	2.337 / .287 / .711 / 1.355 / 1.736 / 1.991 / 2.328 / 2.519 / 2.540 / 2.474 / 2.460 / 2.571 / 2.958 / 3.644 / 4.502 / 5.329 / 5.954 / 6.475 / 6.475 / 6.475 / 7.014 / 7.021 / 7.067 /	5.2 1.61.3 1.1 1.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
LAT= 72.0 LAT= 78.0 Z= 400.753 LAT=-78.0 LAT=-72.0 LAT=-60.0 LAT=-60.0 LAT=-54.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-12.0 LAT=-18.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT= 12.0 LAT= 12.0 LAT= 12.0 LAT= 30.0 LAT= 30.0 LAT= 30.0 LAT= 30.0 LAT= 48.0 LAT= 48.0 LAT= 48.0 LAT= 48.0 LAT= 48.0	U= U	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6 2.889 / 7.6 3.186 / 7.6 3.204 / 7.7 3.240 / 7.6 3.108 / 7.6 2.813 / 7.7 2.572 / 7.9 2.400 / 8.0 2.377 / 8.2 2.502 / 8.4 2.777 / 8.5 3.192 / 8.6 3.718 / 8.7 4.287 / 8.9 5.017 / 9.2 5.930 / 9.4 6.989 / 9.8 8.410 / 10.0 9.652 / 10.2 10.407 / 10.5 11.133 / 10.8	V= V	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5 1.896 / 4.6 2.332 / 4.7 2.683 / 4.9 2.629 / 5.1 2.532 / 5.9 2.703 / 6.4 3.756 / 7.2 4.391 / 7.4 6.384 / 8.0 5.535 / 8.3 5.404 / 8.7 5.054 / 9.3 4.678 / 9.9 4.417 / 10.7 4.874 / 3.3 5.722 / 1.0 7.287 / 1.6	**************************************	.002485 / .011060 / .026832 / .034835 / .041878 / .050667 / .060271 / .070203 / .083754 / .097832 / .112995 / .1126033 / .136996 / .137313 / .137313 / .116646 / .113513 / .111181 / .108449 /	2.6 77753221.9711.4 1.6822.581333333333333333333333333333333333333	T= T	2.337 / .287 / .711 / 1.355 / 1.796 / 1.991 / 2.328 / 2.519 / 2.540 / 2.540 / 2.474 / 2.474 / 4.502 / 5.329 / 6.475 / 6.741 / 7.221 / 7.067 / 6.735 /	5.2 1.66 1.31 1.11 1.00 1.00 1.02 1.61 2.50 3.36 4.03 4.68 4.80 5.02
LAT= 72.0 LAT= 78.0 Z= 400.753 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-18.0 LAT=-12.0 LAT=-6.0 LAT=-12.0 LAT=-12.0 LAT=-12.0 LAT=-136.0 LAT=-136.0 LAT=-136.0 LAT=-136.0 LAT=-136.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0 LAT=-36.0	U= U	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6 2.889 / 7.6 3.186 / 7.6 3.204 / 7.7 3.240 / 7.6 3.108 / 7.6 2.813 / 7.7 2.572 / 7.9 2.400 / 8.0 2.377 / 8.2 2.502 / 8.4 2.777 / 8.5 3.192 / 8.6 3.718 / 8.7 4.287 / 8.9 5.017 / 9.2 5.930 / 9.4 6.989 / 9.8 8.410 / 10.0 9.652 / 10.2 10.407 / 10.5 11.133 / 10.8 13.647 / 11.0	V= V	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5 1.896 / 4.6 2.332 / 4.7 2.683 / 4.9 2.629 / 5.1 2.532 / 5.9 2.703 / 6.4 3.125 / 6.9 3.756 / 7.2 4.391 / 7.4 4.986 / 7.6 5.384 / 8.0 5.535 / 8.3 5.404 / 9.3 4.678 / 9.9 4.417 / 10.7 4.874 / 3 5.772 / 1.0 6.8857 / 1.9	**************************************	.002485 / .011060 / .026832 / .034835 / .041878 / .050667 / .060271 / .070203 / .083754 / .097832 / .1126935 / .136996 / .140634 / .137313 / .133523 / .13553 / .113513 / .113513 / .113513 / .108449 / .107453 /	2.6 775329754346825813431146	T= T	2.337 / .287 / .711 / 1.355 / 1.736 / 1.991 / 2.328 / 2.519 / 2.540 / 2.540 / 2.540 / 2.571 / 2.958 / 6.771 / 7.014 / 7.014 / 7.021 / 7.067 / 6.735 / 7.095 /	5.2 1.66 1.31 1.11 1.00 1.00 1.01 1.01 1.01 1.01
LAT= 72.0 LAT= 78.0 Z= 400.753 LAT=-78.0 LAT=-72.0 LAT=-66.0 LAT=-66.0 LAT=-60.0 LAT=-54.0 LAT=-36.0 LAT=-30.0 LAT=-30.0 LAT=-24.0 LAT=-12.0 LAT=-12.0 LAT=-6.0 LAT=-6.0 LAT=-12.0	U= U	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6 2.889 / 7.6 3.186 / 7.6 3.204 / 7.7 3.240 / 7.6 2.813 / 7.7 2.572 / 7.9 2.400 / 8.0 2.377 / 8.2 2.502 / 8.4 2.777 / 8.5 3.192 / 8.6 3.718 / 8.7 4.287 / 8.9 5.017 / 9.2 5.930 / 9.4 6.989 / 9.8 8.410 / 10.0 9.652 / 10.2 10.407 / 10.5 11.133 / 10.8 13.647 / 11.0	V= V	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5 1.896 / 4.6 2.332 / 4.7 2.683 / 4.9 2.629 / 5.1 2.547 / 5.4 2.532 / 5.9 2.703 / 6.9 3.756 / 7.2 4.391 / 7.4 4.986 / 7.6 5.384 / 8.0 5.535 / 8.3 5.404 / 8.7 5.054 / 9.3 4.678 / 9.9 4.417 / 10.7 4.482 / 11.6 4.874 / .3 5.772 / 1.0 7.287 / 1.6 8.857 / 1.9 10.317 / 2.1	**************************************	.002485 / .011060 / .026832 / .034835 / .041878 / .050667 / .060271 / .070203 / .083754 / .097832 / .112995 / .112995 / .112995 / .136996 / .146634 / .138561 / .137313 / .135523 / .125570 / .116646 / .113513 / .11181 / .108449 / .107453 / .115858 / .059902 /	2.6 7.753297544682581343114682223333333333333333333333333333333333	T =	2.337 / .287 / .711 / 1.355 / 1.736 / 1.991 / 2.328 / 2.519 / 2.540 / 2.474 / 2.460 / 2.571 / 2.958 / 3.644 / 4.502 / 5.329 / 5.954 / 6.475 / 6.475 / 6.741 / 7.014 / 7.014 / 7.017 / 6.735 / 7.055 / 7.055 /	5.2 1.66 1.31 1.11 1.00 1.00 1.00 1.21 1.61 2.15 2.30 3.33 3.40 3.40 4.68 5.52 5.56 5.56
LAT = 72.0 LAT = 78.0 Z = 400.753 LAT = -78.0 LAT = -72.0 LAT = -66.0 LAT = -66.0 LAT = -54.0 LAT = -36.0 LAT = -36.0 LAT = -36.0 LAT = -36.0 LAT = -18.0 LAT = -12.0 LAT = -6.0 LAT = 12.0 LAT = 12.0 LAT = 12.0 LAT = 12.0 LAT = 36.0 LAT = 36.0 LAT = 42.0 LAT = 36.0 LAT = 48.0 LAT = 48.0 LAT = 48.0 LAT = 54.0 LAT = 54.0	U= U	11.351 / 11.1 9.035 / 11.1 1.342 / 7.7 2.083 / 7.6 2.889 / 7.6 3.186 / 7.6 3.204 / 7.7 3.240 / 7.6 3.108 / 7.6 2.813 / 7.7 2.572 / 7.9 2.400 / 8.0 2.377 / 8.2 2.502 / 8.4 2.777 / 8.5 3.192 / 8.6 3.718 / 8.7 4.287 / 8.9 5.017 / 9.2 5.930 / 9.4 6.989 / 9.8 8.410 / 10.0 9.652 / 10.2 10.407 / 10.5 11.133 / 10.8 13.647 / 11.0	V= V	11.113 / 2.2 9.846 / 2.5 1.418 / 4.5 1.896 / 4.6 2.332 / 4.7 2.683 / 4.9 2.629 / 5.1 2.532 / 5.9 2.703 / 6.4 3.125 / 6.9 3.756 / 7.2 4.391 / 7.4 4.986 / 7.6 5.384 / 8.0 5.535 / 8.3 5.404 / 9.3 4.678 / 9.9 4.417 / 10.7 4.874 / 3 5.772 / 1.0 6.8857 / 1.9	**************************************	.002485 / .011060 / .026832 / .034835 / .041878 / .050667 / .060271 / .070203 / .083754 / .097832 / .1126935 / .136996 / .140634 / .137313 / .133523 / .13553 / .113513 / .113513 / .113513 / .108449 / .107453 /	2.6 775329754346825813431146	T= T	2.337 / .287 / .711 / 1.355 / 1.736 / 1.991 / 2.328 / 2.519 / 2.540 / 2.540 / 2.540 / 2.571 / 2.958 / 6.771 / 7.014 / 7.014 / 7.021 / 7.067 / 6.735 / 7.095 /	5.2 1.66 1.31 1.11 1.00 1.00 1.01 1.01 1.01 1.01

